



AEROCOMM



ISOLATOR
CIRCULATOR
DROP-IN

PALLET AMPLIFIERS



MOBILE DUPLEXERS
& MORE..

RF & Microwave Products Division

Introduction

Aerocomm's standard coaxial , drop-in (tab or surface mount terminal) and high power ferrite devices are designed and developed for both commercial and military applications. Standard designs are a compromise among size, electrical performances and cost. Any specific requirements can be provided on special order.

General Specifications

Models and specifications provided in this catalog are standard design for customer reference. Non-standard designs can be engineered upon special order. Drawings are available on request.

Operating Frequency Ranges

70 MHz to 26.5 GHz (selected frequency bands). Devices covering frequency less than 70 MHz and above 26.5 GHz are being developed. Please visit our website often to see new developments. Narrow and octave bandwidth are standard. Octave-plus and other frequency bands are available on special order. Tunable High power narrowband coaxial isolator/circulators are available on special order. Ultra-wide band (peripheral mode) will be available soon.

Double Junction Isolator/Circulator

Single junction (3 port) is standard. Specifications provided in this catalog are for standard 3 port devices. All standard models can be built as double junction devices on special order.

Operating Temperature Ranges

0 to +55°C is standard. Other operating temperature ranges are available on special order.

Handling Power

25 and 50 WCW are standard, see specifications for each model in catalog. Higher power such as 100 , 150 , 200 , 250 , 300 WCW and more are available on special order. All standard models are not furnished with heat sink. Heat sink and forced air cooling is available on special order.

Connectors and Terminations

SMA-female per MIL-C-39012 are standard. Other connectors such as SMA-male, TNC, N, etc. are available on special order. Removable connectors are available on special order for drop-in mount application. 1 watt built-in termination is standard. 5, 10, 100 or higher watt terminations are available on special order. All connectors are 50 Ohms. Special 75 Ohms connectors are available on special order.

Magnetic & EMI Shielding

All units are magnetically shielded as standard. Full magnetic shielding and EMI shielding are available on special order.

Finish

Standard coaxial models are painted black. Drop-in models are nickel plated. Other finish is available on special order.

Test Data

Each unit is individually tested to verify conformance with all specifications. All units are supplied with test data at room temperature. Test data at other temperature ranges is available on special order.

Special Requirements

Special requirements such as low insertion loss , high isolation , smaller size , etc. can be ordered to meet your stringent needs. Please consult our engineering division before placing orders.

OTHER AVAILABLE PRODUCTS

Please contact sales department concerning your requirements.

High Power Coaxial Terminations

High power coaxial terminations and "screw-on" terminations from 1 to 500 watts are available on special order.

FM / VHF / UHF Amplifier Modules

Aerocomm's newest product line are sophisticated amplifier modules (pre and power amplifiers) for FM , VHF and UHF applications. Please contact our sales department for technical data sheets and catalog.

Aerocomm's Import Business

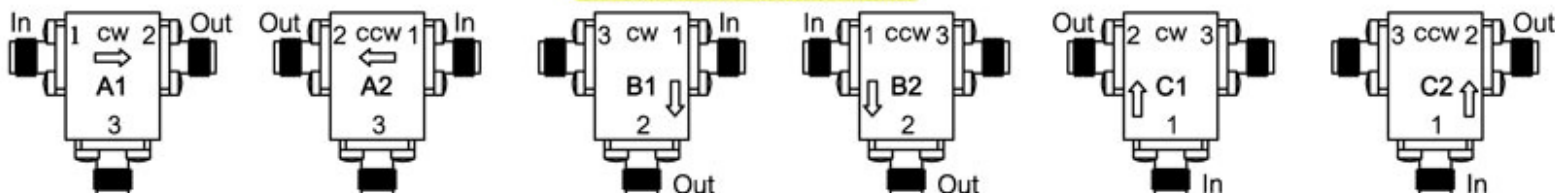
Beside our manufacturing and export business, Aerocomm is an importer for various high technology products such as Telecom , Satcom, GPS, Microwave, Time & Frequency, Avionics, Plasma Physics, Test & Measurement, etc. We are exclusive representatives and dealers for several world class manufacturers from USA and Europe. Manufacturers of high technology products are welcome to contact us to expand market to Thailand. We are very active in selling products to government, military and private business.

MODEL NUMBERING SYSTEM FOR COAXIAL AND DROP-IN ISOLATOR & CIRCULATOR

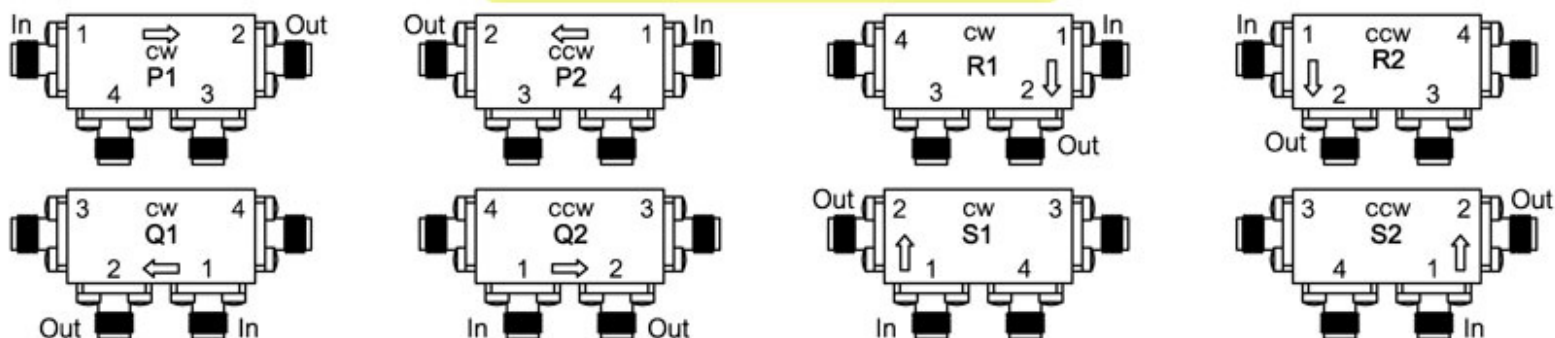
MODEL: X - X X X X - X X X - OPT. XX - X X - (X X X)

Product Type	Band Designation Center Frequency	Frequency Range	Option Number (If necessary)	Specify Input Port Number of Ports and Configuration	Signal Rotation	Specify Connector Type / Gender or Power Rating for Load In Sequence of Port 1 - 2 - 3 - 4 (if 4 ports)
For Coaxial C = Circulator I = Isolator L = Load For Drop-in DCx = Circulator Type x DIx = Isolator Type x see type details on page 9	A = 0-250 B = 250-500 C = 0.5-1 D = 1-2 E = 2-3 F = 3-4 G = 4-6 H = 6-8 I = 8-10 J = 10-20 K = 20-40	MHz GHz GHz GHz GHz GHz GHz GHz GHz GHz	Start . Stop Frequency Indicates non-standard specifications, refers to drawing for full specifications Omitted for standard model	A, B, C = 3 Port H, I, J, K = 4 Port (H - Resembled) P, Q, R, S = 4 Port (PI - Resembled) see drawings below	1 = CW 2 = CCW see drawings below	Connectors / Pin / Tab F = Female M = Male P = Pin S = Surface Mount Tab T = Straight Tab 1 = SMA 2 = N 0.5" flange 3 = N 0.687" flange 4 = N 1.0" flange 5 = TNC 6 = BNC 7 = SMB 8 = pin (0.5 mm. dia) 9 = tab (size in mm.) (0.635W x 1.8L x 0.127T) a = SMA removable b = N bulk head c = SMA bulk head q = tab (3 mm.) r = tab (2 mm.) Flange Loads L1a = 1 watt L10a = 10 watts : : Built-in Loads L1b = 1 watt L10b = 10 watts : : Attenuator Loads A100-30c = 100 watts : : (30 dB) Uncovered Loads L1c = 1 watt L10c = 10 watts : : Cylindrical Loads L1d = 1 watt L10d = 10 watts (Dia.5.3 x L5.3 mm) : : Use power rating for higher power loads such as L15a for 15 watts flange load or L100a for 100 watts flange load or L100c for 100 watts uncovered load, etc.

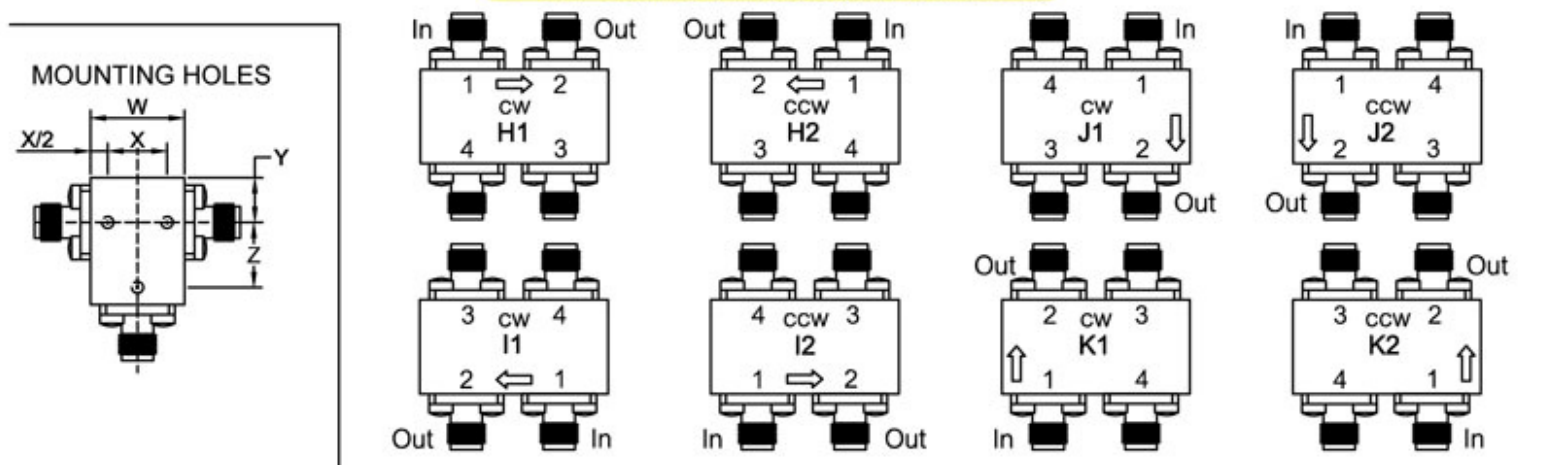
3 PORT CONFIGURATIONS



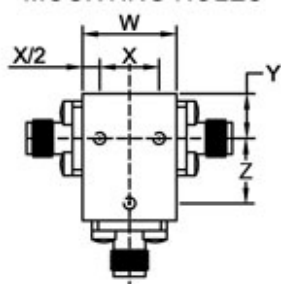
4 PORT CONFIGURATIONS (PI-RESEMBLED)



4 PORT CONFIGURATIONS (H-RESEMBLED)



MOUNTING HOLES



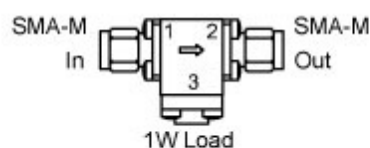
W (Inches)	4.8	3.94	3.31	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.63	W (mm)	122.0	100.0	84.0	76.2	63.5	50.8	44.5	38.1	31.8	25.4	19.0	16.0
X (Inches)	4.45	3.54	2.95	2.0	1.6	1.5	1.0	1.0	0.95	0.75	0.5	0.4	X (mm)	113.0	90.0	75.0	50.8	40.6	38.1	25.4	25.4	24.1	19.0	12.7	10.1
Y (Inches)	1.0	0.91	0.7	0.5	0.5	0.3	0.3	0.35	0.3	0.3	0.3	0.3	Y (mm)	25.4	23.0	18.0	12.7	12.7	7.6	7.6	8.8	7.6	7.6	7.6	7.6
Z (Inches)	3.96	3.07	2.56	—	—	—	—	—	—	—	—	—	Z (mm)	100.6	78.0	65.0	—	—	—	—	—	—	—	—	—
Screw (mm)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	Screw (mm)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0

All Thread Depths are 4 mm. minimum

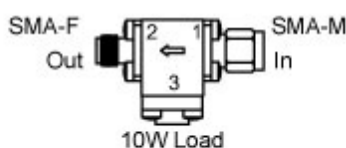
Note: 1. Standard isolator/circulator size 0.5 x 0.635 x 0.5 Inches / 13 x 16 x 13 mm. are not supplied with mounting holes.
 2. Standard model is supplied with 2 mounting holes on both side. Only models wider than 80 mm. are supplied with 3 mounting holes on both sides.

Model Number Examples

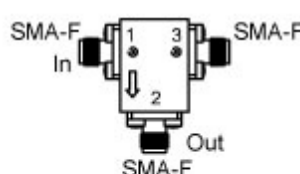
Isolator 21.3 - 23.6 GHz
I-K213.236-A1-(M1M1L1a)



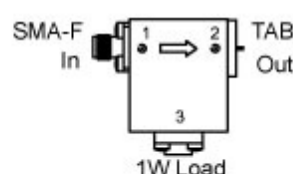
Isolator 13.0 - 14.5 GHz
I-J130.145-A2-(M1F1L10a)



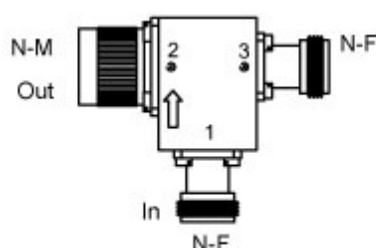
Circulator 8.0 - 16.0 GHz
C-J80.160-B2-(F1F1F1)



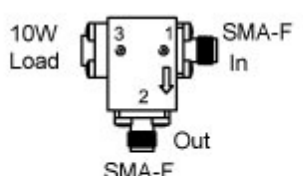
Isolator 4.0 - 8.0 GHz
I-H40.80-A1-(F1T9L1a)



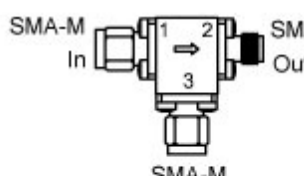
Circulator 3.40 - 4.20 GHz
C-F340.420-C1-(F3M4F3)



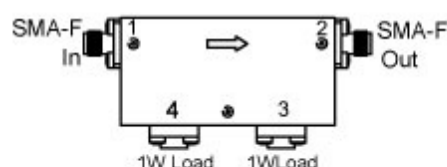
Isolator 7.00 - 9.00 GHz
I-I700.900-B1-(F1F1L10a)



Circulator 16.0 - 18.0 GHz
C-J160.180-A1-(M1F1M1)



Isolator 1.90 - 2.20 GHz
I-E190.220-P1-(F1F1L1aL1a)



STANDARD OCTAVE COAXIAL 3 PORT JUNCTION ISOLATORS & CIRCULATORS

Model No.		Frequency	Isolation	Ins. Loss	VSWR	Fwd. Power	Size (Inches)	Size (mm.)	Weight
		GHz	dB (min)	dB (max)	(max)	Avg. (watts)	W x L x T	W x L x T	(grams)
1	D 80.160	0.8 - 1.6	17	0.7	1.35	50	3.0 X 3.0 X 1.0	76.2 X 76.2 X 25.4	550
2	D 90.180	0.90 - 1.80	17	0.7	1.35	50	3.0 X 3.0 X 1.0	76.2 X 76.2 X 25.4	550
3	D 95.195	0.95- 1.95	17	0.6	1.35	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
4	D 10.20	1.0 - 2.0	17	0.5	1.35	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
5	D 11.22	1.1 - 2.2	17	0.5	1.35	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
6	D 12.24	1.2 - 2.4	17	0.5	1.35	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
7	D 13.26	1.3 - 2.6	17	0.5	1.35	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
8	E 14.28	1.4 - 2.8	17	0.5	1.35	50	2.0 X 2.0 X 0.75	50.8 X 50.8 X 19.0	180
9	E 15.30	1.5 - 3.0	17	0.5	1.35	50	2.0 X 2.0 X 0.75	50.8 X 50.8 X 19.0	180
10	F 20.40	2.0 - 4.0	18	0.5	1.35	50	1.75 X 1.75 X 0.75	44.5 X 44.5 X 19.0	125
11	F 21.42	2.1 - 4.2	18	0.5	1.35	50	1.75 X 1.75 X 0.75	44.5 X 44.5 X 19.0	125
12	F 24.47	2.4 - 4.7	18	0.5	1.35	25	1.5 X 1.5 X 0.75	38.1 X 38.1 X 19.0	120
13	F 25.50	2.5 - 5.0	18	0.5	1.35	25	1.5 X 1.5 X 0.75	38.1 X 38.1 X 19.0	120
14	F 26.52	2.6 - 5.2	18	0.5	1.35	25	1.5 X 1.5 X 0.75	38.1 X 38.1 X 19.0	120
15	G 27.54	2.7 - 5.4	17	0.5	1.35	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
16	G 30.60	3.0 - 6.0	17	0.6	1.35	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
17	G 32.64	3.2 - 6.4	17	0.5	1.35	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
18	G 35.70	3.5 - 7.0	17	0.5	1.35	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
19	H 40.80	4.0 - 8.0	18	0.5	1.35	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	60
20	H 40.84	4.0 - 8.4	20	0.5	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	60
21	H 40.90	4.0 - 9.0	18	0.5	1.35	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	60
22	H 45.90	4.5 - 9.0	17	0.5	1.35	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	60
23	H 48.96	4.8 - 9.6	17	0.6	1.35	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	60
24	H 50.100	5.0 - 10.0	17	0.6	1.35	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	60
25	H 52.104	5.2 - 10.4	17	0.6	1.35	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
26	I 55.110	5.5 - 11.0	17	0.6	1.35	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
27	I 60.120	6.0 - 12.0	17	0.7	1.35	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
28	I 65.130	6.5 - 13.0	17	0.7	1.35	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
29	J 70.140	7.0 - 14.0	16	0.7	1.40	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
30	J 75.150	7.5 - 15.0	16	0.7	1.40	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
31	J 80.160	8.0 - 16.0	17	0.7	1.40	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
32	J 80.180	8.0 - 18.0	16	0.8	1.45	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
33	J 80.185	8.0 - 18.5	15	0.8	1.50	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
34	J 90.180	9.0 - 18.0	17	0.7	1.40	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
35	J 90.185	9.0 - 18.5	15	0.8	1.45	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30

Contact factory for other frequency ranges or non-standard requirements

New! Lumped Elements Coaxial Junction Isolators & Circulators

Model No.		Frequency GHz	Isolation dB (min)	Ins. Loss dB (max)	VSWR (max)	Fwd. Power Avg. (watts)	Size (Inches) W x L x T	Size (mm.) W x L x T	Weight (grams)
1	A118.138	118 - 138 MHz	20	0.6	1.25	50	3.0 X 3.0 X 1.0	76.2 X 76.2 X 25.4	550
2	B225.300	225 - 300 MHz	20	0.6	1.25	50	2.76 X 2.76 X 0.98	70.0 X 70.0 X 25.0	500
3	B300.400	300 - 400 MHz	20	0.6	1.25	50	2.76 X 2.76 X 0.98	70.0 X 70.0 X 25.0	500

STANDARD NARROWBAND COAXIAL 3 PORT JUNCTION ISOLATORS & CIRCULATORS

Model No.		Frequency GHz	Isolation dB (min)	Ins. Loss dB (max)	VSWR (max)	Fwd. Power Avg. (watts)	Size (Inches) W x L x T	Size (mm.) W x L x T	Weight (grams)
1	A 70.80	70 - 80 MHz	20	0.6	1.25	50	4.80 X 5.12 X 1.41	122.0 X 130.0 X 36.0	2500
2	A 77.79	77 - 79 MHz	15	0.6	1.50	50	4.80 X 5.12 X 1.41	122.0 X 130.0 X 36.0	2500
3	A 80.90	80 - 90 MHz	20	0.7	1.25	50	3.94 X 4.13 X 1.41	100.0 X 105.0 X 36.0	1800
4	A 88.108	88 - 108 MHz	15	0.7	1.45	50	3.94 X 4.13 X 1.41	100.0 X 105.0 X 36.0	1800
5	A 95.110	95 - 110 MHz	20	0.5	1.25	50	3.94 X 4.13 X 1.41	100.0 X 105.0 X 36.0	1800
6	A 110.120	0.110 - 0.120	20	0.7	1.25	50	3.94 X 4.13 X 1.41	100.0 X 105.0 X 36.0	1800
7	A 118.137	0.118 - 0.137	18	0.6	1.30	50	3.94 X 4.13 X 1.41	100.0 X 105.0 X 36.0	1800
8	A 135.170	0.135 - 0.170	17	0.6	1.40	50	3.30 X 3.43 X 1.41	84.0 X 87.0 X 36.0	1200
9	A 146.152	0.146 - 0.152	20	0.5	1.20	50	3.30 X 3.43 X 1.41	84.0 X 87.0 X 36.0	1200
10	A 147.153	0.147 - 0.153	20	0.5	1.25	50	3.30 X 3.43 X 1.41	84.0 X 87.0 X 36.0	1200
11	A 156.174	0.156 - 0.174	20	0.6	1.25	50	3.30 X 3.43 X 1.41	84.0 X 87.0 X 36.0	1200
12	A 170.210	0.170 - 0.210	17	0.6	1.40	50	3.30 X 3.43 X 1.41	84.0 X 87.0 X 36.0	1200
13	A 174.230	0.174 - 0.230	15	0.6	1.45	50	3.30 X 3.43 X 1.41	84.0 X 87.0 X 36.0	1200
14	A 215.225	0.215 - 0.225	20	0.5	1.20	50	3.30 X 3.43 X 1.41	84.0 X 87.0 X 36.0	1200
15	B 250.290	0.250 - 0.290	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
16	B 280.300	0.28 - 0.30	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
17	B 280.330	0.280 - 0.330	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
18	B 281.292	0.281 - 0.292	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
19	B 300.330	0.300 - 0.330	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
20	B 320.340	0.320 - 0.340	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
21	B 320.370	0.320 - 0.370	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
22	B 320.400	0.320 - 0.400	18	0.6	1.35	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
23	B 342.362	0.342 - 0.362	23	0.4	1.20	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
24	B 380.490	0.380 - 0.490	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
25	B 400.500	0.400 - 0.500	20	0.5	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
26	B 430.470	0.430 - 0.470	25	0.3	1.20	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
27	B 450.460	0.450 - 0.460	23	0.4	1.15	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
28	B 450.470	0.450 - 0.470	20	0.4	1.20	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
29	B 470.500	0.470 - 0.500	25	0.3	1.20	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
30	C 470.600	0.470 - 0.600	18	0.5	1.30	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
31	C 470.615	0.470 - 0.615	18	0.5	1.30	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
32	C 470.650	0.470 - 0.650	16	0.5	1.40	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
33	C 470.700	0.470 - 0.700	13	0.6	1.58	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
34	C 480.520	0.480 - 0.520	20	0.5	1.25	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
35	C 600.800	0.600 - 0.800	18	0.5	1.30	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
36	C 610.860	0.610 - 0.860	18	0.5	1.30	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
37	C 698.716	0.698 - 0.716	20	0.5	1.15	50	1.5 X 1.5 X 0.75	38.1 X 38.1 X 19.0	120
38	C 698.960	0.698 - 0.960	15	0.5	1.25	50	2.0 X 2.0 X 1.0	50.8 X 50.8 X 25.4	300
39	C 760.860	0.760 - 0.860	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
40	C 765.785	0.765 - 0.785	23	0.5	1.15	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
41	C 790.880	0.790 - 0.880	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
42	C 800.900	0.800 - 0.900	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
43	C 800.921	0.800 - 0.921	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
44	C 800.950	0.800 - 0.950	18	0.6	1.35	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
45	C 80.100	0.80 - 1.00	18	0.6	1.35	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
46	C 807.950	0.807 - 0.950	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
47	C 818.956	0.818 - 0.956	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
48	C 840.930	0.840 - 0.930	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
49	C 840.935	0.840 - 0.935	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
50	C 850.950	0.850 - 0.950	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
51	C 860.930	0.860 - 0.930	20	0.5	1.15	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
52	C 869.960	0.869 - 0.960	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
53	C 870.930	0.870 - 0.930	30	0.4	1.15	50	1.5 X 1.5 X 0.75	38.1 X 38.1 X 19.0	120
54	C 870.960	0.870 - 0.960	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85

Contact factory for other frequency ranges or non-standard requirements

STANDARD NARROWBAND COAXIAL 3 PORT JUNCTION ISOLATORS & CIRCULATORS

Model No.		Frequency GHz	Isolation dB (min)	Ins. Loss dB (max)	VSWR (max)	Fwd. Power Avg. (watts)	Size (Inches) W x L x T	Size (mm.) W x L x T	Weight (grams)
55	C 880.950	0.880 - 0.950	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
56	C 880.960	0.880 - 0.960	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
57	C 890.920	0.890 - 0.920	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
58	C 900.930	0.900 - 0.930	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
59	C 90.100	0.90 - 1.00	18	0.6	1.35	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
60	D 90.150	0.90 - 1.50	18	0.5	1.30	50	3.0 X 3.0 X 1.0	76.2 X 76.2 X 25.4	550
61	C 910.920	0.910 - 0.920	23	0.5	1.15	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
62	C 930.965	0.930 - 0.965	25	0.3	1.20	50	1.5 X 1.5 X 0.75	38.1 X 38.1 X 19.0	120
63	C 95.100	0.95 - 1.00	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
64	D 96.125	0.96 - 1.25	20	0.4	1.25	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
65	D 100.110	1.00 - 1.10	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
66	D 110.140	1.10 - 1.40	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
67	D 115.120	1.15 - 1.20	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
68	D 120.140	1.20 - 1.40	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
69	D 120.160	1.20 - 1.60	23	0.5	1.15	50	2.5 X 2.5 X 1.0	63.5 X 63.5 X 25.4	350
70	D 125.150	1.25 - 1.50	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
71	D 130.150	1.30 - 1.50	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
72	D 135.155	1.35 - 1.55	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
73	D 140.154	1.40 - 1.54	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
74	D 140.160	1.40 - 1.60	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
75	D 140.170	1.40 - 1.70	20	0.5	1.15	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
76	D 140.180	1.40 - 1.80	18	0.6	1.30	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
77	D 140.250	1.40 - 2.50	17	0.5	1.35	50	2.0 X 2.0 X 0.75	50.8 X 50.8 X 19.0	180
78	D 144.150	1.44 - 1.50	25	0.3	1.15	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
79	D 150.170	1.50 - 1.70	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
80	D 154.174	1.54 - 1.74	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
81	D 160.180	1.60 - 1.80	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
82	D 160.190	1.60 - 1.90	20	0.5	1.20	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
83	D 165.195	1.65 - 1.95	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
84	D 170.190	1.70 - 1.90	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
85	D 170.200	1.70 - 2.00	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
86	D 170.210	1.70 - 2.10	23	0.35	1.15	50	2.0 X 2.0 X 0.75	50.8 X 50.8 X 19.0	180
87	E 170.230	1.70 - 2.30	23	0.35	1.20	50	2.0 X 2.0 X 0.75	50.8 X 50.8 X 19.0	180
88	E 170.240	1.70 - 2.40	23	0.4	1.20	50	2.0 X 2.0 X 0.75	50.8 X 50.8 X 19.0	180
89	D 180.200	1.80 - 2.00	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
90	D 180.210	1.80 - 2.10	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
91	E 180.230	1.80 - 2.30	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
92	D 1805.1990	1.805 - 1.990	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
93	E 183.355	1.83 - 3.55	20	0.5	1.30	50	2.0 X 2.0 X 0.75	50.8 X 50.8 X 19.0	180
94	E 190.210	1.90 - 2.10	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
95	E 190.230	1.90 - 2.30	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
96	E 194.234	1.94 - 2.34	20	0.5	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
97	E 200.230	2.00 - 2.30	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
98	E 200.250	2.00 - 2.50	20	0.4	1.25	50	1.75 X 1.75 X 0.75	44.5 X 44.5 X 19.0	125
99	E 200.260	2.00 - 2.60	20	0.5	1.15	50	1.75 X 1.75 X 0.75	44.5 X 44.5 X 19.0	125
100	E 200.300	2.00 - 3.00	20	0.5	1.25	50	1.75 X 1.75 X 0.75	44.5 X 44.5 X 19.0	125
101	E 210.220	2.10 - 2.20	20	0.4	1.20	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
102	E 210.230	2.10 - 2.30	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
103	E 210.240	2.10 - 2.40	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
104	E 220.230	2.20 - 2.30	23	0.4	1.15	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
105	E 220.240	2.20 - 2.40	20	0.4	1.25	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
106	E 230.250	2.30 - 2.50	23	0.4	1.15	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
107	E 230.260	2.30 - 2.60	20	0.4	1.20	50	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
108	E 230.269	2.30 - 2.69	15	0.4	1.20	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
109	E 230.280	2.30 - 2.80	20	0.4	1.25	50	1.75 X 1.75 X 0.75	44.5 X 44.5 X 19.0	125
110	E 240.250	2.40 - 2.50	23	0.4	1.15	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
111	E 250.255	2.50 - 2.55	25	0.3	1.15	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
112	E 250.270	2.50 - 2.70	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
113	E 250.290	2.50 - 2.90	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
114	E 250.330	2.50 - 3.30	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
115	F 250.360	2.50 - 3.60	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85

STANDARD NARROWBAND COAXIAL 3 PORT JUNCTION ISOLATORS & CIRCULATORS

Model No.		Frequency GHz	Isolation dB (min)	Ins. Loss dB (max)	VSWR (max)	Fwd. Power Avg. (watts)	Size (Inches) W x L x T	Size (mm.) W x L x T	Weight (grams)
116	F 260.340	2.60 - 3.40	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
117	F 260.360	2.60 - 3.60	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
118	E 270.310	2.70 - 3.10	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
119	E 280.290	2.80 - 2.90	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
120	F 280.350	2.80 - 3.50	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
121	F 300.400	3.00 - 4.00	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
122	G 300.500	3.00 - 5.00	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
123	F 310.330	3.10 - 3.30	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
124	F 320.400	3.20 - 4.00	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
125	F 330.380	3.30 - 3.80	15	0.4	1.20	25	1.0 X 1.15 X 0.70	25.4 x 29.2 x 17.8	65
126	G 330.470	3.30 - 4.70	20	0.4	1.25	25	1.25 X 1.25 X 0.75	31.8 X 31.8 X 19.0	85
127	F 340.420	3.40 - 4.20	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 x 29.2 x 17.8	65
128	G 340.480	3.40 - 4.80	18	0.5	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
129	G 340.520	3.40 - 5.20	20	0.5	1.20	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
130	F 345.445	3.45 - 4.45	22	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
131	F 350.420	3.50 - 4.20	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
132	F 350.430	3.50 - 4.30	23	0.3	1.20	25	0.75 X 0.75 X 0.51	19.0 X 19.0 X 13.0	40
133	G 360.650	3.60 - 6.50	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
134	F 362.420	3.62 - 4.20	20	0.4	1.15	25	1.0 X 1.0 X 0.5	25.4 X 25.4 X 13.0	65
135	F 370.420	3.70 - 4.20	25	0.3	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
136	F 377.405	3.77 - 4.05	25	0.3	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
137	G 390.480	3.90 - 4.80	20	0.4	1.20	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
138	G 400.460	4.00 - 4.60	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
139	G 400.500	4.00 - 5.00	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
140	G 400.600	4.00 - 6.00	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
141	G 400.650	4.00 - 6.50	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
142	G 420.450	4.20 - 4.50	25	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
143	G 430.550	4.30 - 5.50	25	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
144	G 440.500	4.40 - 5.00	20	0.4	1.25	25	0.83 X 0.83 X 0.5	21.0 X 21.0 X 13.0	50
145	G 440.550	4.40 - 5.50	25	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
146	G 440.650	4.40 - 6.50	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
147	G 450.650	4.50 - 6.50	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
148	G 480.600	4.80 - 6.00	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
149	G 490.590	4.90 - 5.90	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
150	G 500.600	5.00 - 6.00	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
151	H 500.700	5.00 - 7.00	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
152	H 500.820	5.00 - 8.20	20	0.6	1.30	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
153	G 502.532	5.02 - 5.32	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
154	G 520.580	5.20 - 5.80	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
155	G 530.600	5.30 - 6.00	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
156	G 560.600	5.60 - 6.00	23	0.4	1.15	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
157	G 570.590	5.70 - 5.90	20	0.4	1.25	25	1.0 X 1.15 X 0.70	25.4 X 29.2 X 17.8	65
158	H 580.650	5.80 - 6.50	20	0.4	1.25	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
159	H 580.700	5.80 - 7.00	23	0.4	1.20	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
160	H 580.860	5.80 - 8.60	20	0.4	1.25	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
161	H 585.643	5.85 - 6.43	20	0.4	1.15	25	0.75 X 0.75 X 0.51	19.0 X 19.0 X 13.0	40
162	H 600.800	6.00 - 8.00	20	0.4	1.25	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
163	H 600.900	6.00 - 9.00	20	0.4	1.25	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
164	H 650.720	6.50 - 7.20	20	0.4	1.25	25	0.75 X 0.95 X 0.65	19.0 X 24.1 X 16.5	40
165	H 668.672	6.68 - 6.72	20	0.5	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
166	H 700.850	7.00 - 8.50	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
167	I 700.900	7.00 - 9.00	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
168	I 70.110	7.0 - 11.0	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
169	I 70.120	7.0 - 12.0	17	0.6	1.35	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
170	H 710.780	7.10 - 7.80	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
171	H 710.850	7.10 - 8.50	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
172	H 720.770	7.20 - 7.70	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
173	H 725.775	7.25 - 7.75	20	0.25	1.10	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
174	I 750.900	7.50 - 9.00	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
175	I 760.860	7.60 - 8.60	20	0.4	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
176	I 790.840	7.90 - 8.40	23	0.4	1.15	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30

STANDARD NARROWBAND COAXIAL 3 PORT JUNCTION ISOLATORS & CIRCULATORS

Model No.		Frequency GHz	Isolation dB (min)	Ins. Loss dB (max)	VSWR (max)	Fwd. Power Avg. (watts)	Size (Inches) W x L x T	Size (mm.) W x L x T	Weight (grams)
177	I 80.110	8.0 - 11.0	20	0.5	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
178	J 80.120	8.0 - 12.0	20	0.5	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
179	J 80.124	8.0 - 12.4	20	0.5	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
180	J 80.130	8.0 - 13.0	20	0.5	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
181	I 840.970	8.40 - 9.70	23	0.4	1.15	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
182	I 84.100	8.4 - 10.0	23	0.4	1.15	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
183	I 90.100	9.0 - 10.0	23	0.4	1.15	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
184	J 90.110	9.0 - 11.0	20	0.25	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
185	J 90.120	9.0 - 12.0	20	0.5	1.25	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
186	J 90.170	9.0 - 17.0	18	0.7	1.30	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
187	J 95.105	9.5 - 10.5	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
188	J 95.124	9.5 - 12.4	23	0.5	1.20	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
189	J 97.120	9.7 - 12.0	23	0.4	1.15	25	0.63 X 0.85 X 0.65	16.0 X 21.6 X 16.5	30
190	J 100.110	10.0 - 11.0	25	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
191	J 100.120	10.0 - 12.0	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
192	J 100.130	10.0 - 13.0	20	0.4	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
193	J 100.150	10.0 - 15.0	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
194	J 100.180	10.0 - 18.0	18	0.6	1.35	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
195	J 102.124	10.2 - 12.4	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
196	J 102.128	10.2 - 12.8	20	0.4	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
197	J 105.115	10.5 - 11.5	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
198	J 107.117	10.7 - 11.7	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
199	J 108.119	10.8 - 11.9	25	0.4	1.20	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
200	J 100.130	10.0 - 13.0	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
201	J 110.140	11.0 - 14.0	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
202	J 110.180	11.0 - 18.0	18	0.6	1.35	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
203	J 115.118	11.5 - 11.8	20	0.5	1.20	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
204	J 117.127	11.7 - 12.7	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
205	J 120.140	12.0 - 14.0	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
206	J 120.180	12.0 - 18.0	18	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
207	J 122.132	12.2 - 13.2	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
208	J 124.150	12.4 - 15.0	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
209	J 124.180	12.4 - 18.0	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
210	J 125.135	12.5 - 13.5	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
211	J 127.133	12.7 - 13.3	25	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
212	J 127.145	12.7 - 14.5	19	0.4	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
213	J 130.145	13.0 - 14.5	20	0.4	1.20	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
214	J 130.150	13.0 - 15.0	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
215	J 130.160	13.0 - 16.0	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
216	J 134.138	13.4 - 13.8	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
217	J 135.137	13.5 - 13.7	23	0.3	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
218	J 140.145	14.0 - 14.5	25	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
219	J 140.150	14.0 - 15.0	25	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
220	J 140.160	14.0 - 16.0	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
221	J 140.165	14.0 - 16.5	23	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
222	J 144.155	14.4 - 15.5	25	0.4	1.15	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
223	J 150.180	15.0 - 18.0	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
224	J 155.185	15.5 - 18.5	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
225	J 160.180	16.0 - 18.0	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
226	J 165.180	16.5 - 18.0	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
227	J 167.200	16.7 - 20.0	20	0.5	1.30	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
228	J 170.180	17.0 - 18.0	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
229	J 170.185	17.0 - 18.5	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
230	J 177.217	17.7 - 21.7	20	0.6	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
231	K 180.220	18.0 - 22.0	20	0.6	1.30	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
232	J 181.185	18.1 - 18.5	20	0.5	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
233	K 200.220	20.0 - 22.0	20	0.6	1.30	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
234	K 212.236	21.2 - 23.6	20	0.7	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
235	K 213.236	21.3 - 23.6	20	0.7	1.25	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
236	K 216.252	21.6 - 25.20	20	0.6	1.30	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25
237	K 231.236	23.1 - 23.6	20	0.6	1.30	25	0.5 X 0.63 X 0.5	13.0 X 16.0 X 13.0	25

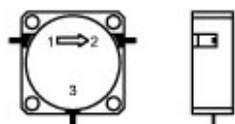
STRIPLINE DROP-IN ISOLATOR AND CIRCULATOR

PLEASE SEE PAGE 3 FOR MODEL NUMBERING SYSTEM

Mechanical Details & Type Number

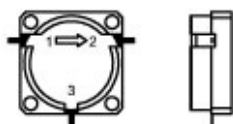
Type 1 Isolator & Circulator

Housing Material : Steel or Brass
Finished : Nickel Plated



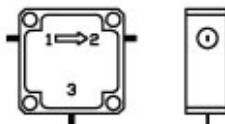
Type 2 Isolator & Circulator

Housing Material : Aluminium
Finished : Clean



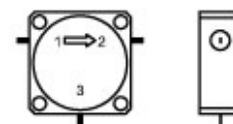
Type 3 Isolator & Circulator

Housing Material : Steel or Brass
Finished : Nickel Plated



Type 4 Isolator & Circulator

Housing Material : Steel or Brass
Finished : Nickel Plated

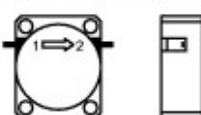


Test Fixtures : Available upon special request

Other materials/finished are available upon special request

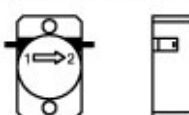
Type 5 Isolator Only

Housing Material : Steel or Brass
Finished : Nickel Plated



Type 6 Isolator Only

Housing Material : Steel or Brass
Finished : Nickel Plated



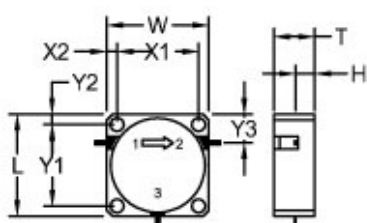
For All Type

Cover : Stainless Steel

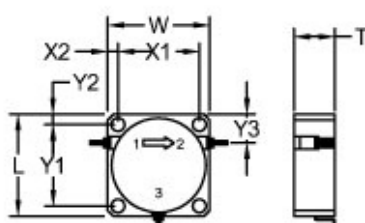
Stripline : BeCu/Gold Plated

Tab : 0.635 mm. wide x 1.8 mm. long x 0.127 mm. thick

Straight Tab



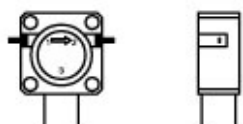
Surface Mount



W (Inches)	2.0	1.5	1.25	1.0	0.75	0.63	0.5	0.37	0.3	0.25	W (mm)	50.8	38.1	31.8	25.4	19.0	15.9	12.7	9.5	7.6	6.4
L (Inches)	2.0	1.5	1.25	1.0	0.75	0.63	0.5	0.5	0.4	0.5	L (mm)	50.8	38.1	31.8	25.4	19.0	15.9	12.7	12.7	10.2	12.4
T (Inches)	0.5	0.4	0.4	0.3	0.25	0.25	0.25	0.25	0.22	0.22	T (mm)	12.7	10.0	10.0	7.62	6.35	6.35	6.35	6.35	5.5	5.5
X1 (Inches)	1.75	1.24	1.0	0.82	0.57	0.5	0.38	0.28	0.2	---	X1 (mm)	44.45	31.5	25.4	20.83	14.48	12.7	9.65	7.0	5.08	---
X2 (Inches)	0.12	0.13	0.13	0.09	0.09	0.06	0.06	0.05	0.05	0.13	X2 (mm)	3.17	3.3	3.2	2.29	2.26	1.6	1.52	1.25	1.25	3.2
Y1 (Inches)	1.75	1.24	1.0	0.82	0.57	0.5	0.38	0.4	0.3	0.38	Y1 (mm)	44.45	31.5	25.4	20.83	14.48	12.7	9.65	10.2	7.6	9.65
Y2 (Inches)	0.12	0.13	0.13	0.09	0.09	0.06	0.06	0.05	0.05	0.06	Y2 (mm)	3.17	3.3	3.2	2.29	2.26	1.6	1.52	1.25	1.3	1.52
Y3 (Inches)	0.5	0.41	0.31	0.31	0.24	0.18	0.17	0.15	0.15	0.19	Y3 (mm)	12.7	10.46	8.0	7.75	6.22	4.45	4.32	3.81	3.7	4.8
H (Inches)	0.25	0.20	0.20	0.15	0.12	0.12	0.12	0.08	0.08	0.08	H (mm)	6.35	5.05	5.05	3.81	3.05	3.05	3.05	2.0	2.0	2.0
Hole Dia. (Inches)	0.13	0.13	0.13	0.08	0.08	0.08	0.08	0.07	0.07	0.07	Hole Dia. (mm)	3.3	3.3	3.3	2.1	2.1	2.1	2.1	1.8	1.8	1.8

Model Number Examples

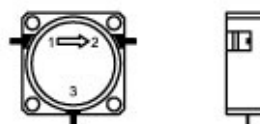
Drop-in Isolator 5.80-6.50 GHz
DI1-H580.650-A1-(T9T9L10d)



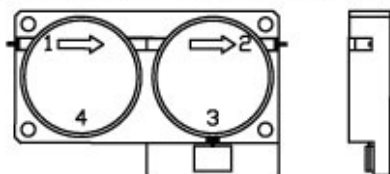
Drop-in Isolator 9.20-9.60 GHz
DI1-I920.960-B1-(T9T9L1d)



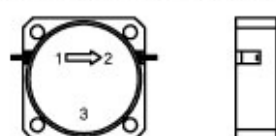
Drop-in Circulator 2.70-2.90 GHz
DC1-E270.290-A1-(T9T9T9)



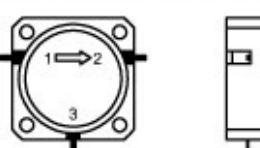
Drop-in Isolator 868-956 MHz
DI1-C868.956-OPT.01-P1-(T9T9L100cL10b)



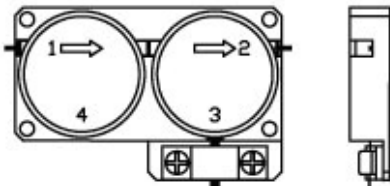
Drop-in Isolator 2.50-2.70 GHz
DI1-E250.270-A1-(T9T9L1b)



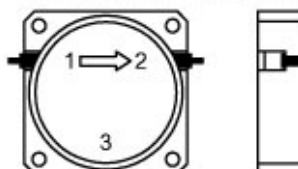
Drop-in Circulator 1.03-1.09 GHz
DC1-D103.109-A1-(T9T9T9)



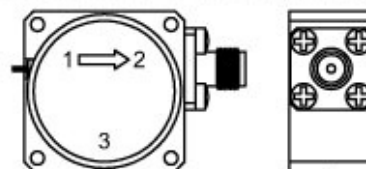
Drop-in Isolator 1.805-1.880 GHz
DI1-D1805.1880-OPT.03-P1-(T9T9A100-30cL1b)



Drop-in Isolator 1.70-1.90 GHz
DI1-D170.190-A1-(S9S9L1b)



Drop-in Circulator 2.00-2.20 GHz
DC1-E200.220-OPT.01-A1-(T9F1T9)



STANDARD NARROWBAND 3 PORT DROP-IN FLANGE MOUNT ISOLATORS & CIRCULATORS

Model No.		Frequency GHz	Isolation dB (min)	Ins. Loss dB (max)	VSWR (max)	Fwd. Power Avg. (watts)	Size (Inches) W x L x T	Size (mm.) W x L x T	Weight (grams)
1	A 180.210	0.18 - 0.21	20	0.6	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
2	A 210.250	0.21 - 0.25	20	0.6	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
3	B 250.300	0.25 - 0.30	20	0.6	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
4	B 275.325	0.275 - 0.325	20	0.5	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
5	B 300.350	0.30 - 0.35	20	0.5	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
6	B 350.400	0.35 - 0.40	20	0.5	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
7	B 380.450	0.38 - 0.45	20	0.5	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
8	B 400.450	0.40 - 0.45	20	0.5	1.25	50	2.0 X 2.0 X 0.5	50.8 X 50.8 X 12.7	210
9	B 410.460	0.41 - 0.46	20	0.5	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
10	B 450.470	0.45 - 0.47	25	0.4	1.20	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
11	B 450.500	0.45 - 0.50	20	0.5	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
12	C 470.600	0.47 - 0.60	17	0.6	1.35	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
13	C 500.575	0.500 - 0.575	20	0.5	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
14	C 500.600	0.50 - 0.60	20	0.5	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
15	C 550.650	0.55 - 0.65	20	0.5	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
16	C 575.650	0.575 - 0.650	20	0.5	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
17	C 600.770	0.60 - 0.77	17	0.6	1.35	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
18	C 650.725	0.650 - 0.725	20	0.5	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
19	C 700.800	0.70 - 0.80	20	0.4	1.25	50	1.5 X 1.5 X 0.39	38.1 X 38.1 X 10.0	90
20	C 730.800	0.73 - 0.80	20	0.5	1.25	50	1.0 X 1.0 X 0.3	25.4 X 25.4 X 7.62	35
21	C 760.860	0.76 - 0.86	20	0.5	1.25	50	1.0 X 1.0 X 0.3	25.4 X 25.4 X 7.62	35
22	C 800.870	0.80 - 0.87	20	0.5	1.25	50	1.0 X 1.0 X 0.3	25.4 X 25.4 X 7.62	35
23	C 860.960	0.86 - 0.96	20	0.5	1.25	50	1.0 X 1.0 X 0.3	25.4 X 25.4 X 7.62	35
24	C 880.960	0.88 - 0.96	20	0.5	1.25	50	1.0 X 1.0 X 0.3	25.4 X 25.4 X 7.62	35
25	D 103.109	1.03 - 1.09	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
26	D 1053.1055	1.053 - 1.055	20	0.5	1.25	25	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
27	D 1077.1079	1.077 - 1.079	20	0.5	1.25	25	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
28	D 110.120	1.10 - 1.20	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
29	D 1131.1133	1.131 - 1.133	20	0.5	1.25	25	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
30	D 118.125	1.18 - 1.25	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
31	D 120.130	1.20 - 1.30	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
32	D 120.140	1.20 - 1.40	20	0.5	1.25	50	1.0 X 1.0 X 0.3	25.4 X 25.4 X 7.62	35
33	D 125.145	1.25 - 1.45	20	0.6	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
34	D 130.150	1.30 - 1.50	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
35	D 140.160	1.40 - 1.60	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
36	D 150.170	1.50 - 1.70	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
37	D 160.180	1.60 - 1.80	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
38	D 170.190	1.70 - 1.90	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
39	D 180.200	1.80 - 2.00	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
40	E 190.220	1.90 - 2.20	20	0.5	1.25	25	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
41	E 200.230	2.0 - 2.30	20	0.5	1.25	25	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
42	E 210.230	2.10 - 2.30	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
43	E 210.240	2.1 - 2.40	20	0.5	1.25	25	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
44	E 220.250	2.2 - 2.50	20	0.5	1.25	25	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
45	E 230.270	2.30 - 2.70	20	0.5	1.25	25	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
46	E 231.271	2.31 - 2.71	20	0.5	1.25	25	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
47	E 240.270	2.40 - 2.70	20	0.5	1.25	25	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
48	E 250.270	2.50 - 2.70	20	0.5	1.25	25	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
49	E 270.290	2.70 - 2.90	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
50	E 270.320	2.70 - 3.20	20	0.4	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
51	F 280.320	2.80 - 3.20	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
52	F 290.320	2.90 - 3.20	20	0.5	1.25	50	0.75 X 0.75 X 0.25	19.0 X 19.0 X 6.35	20
53	G 375.425	3.75 - 4.25	20	0.5	1.20	10	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
54	G 400.450	4.00 - 4.50	20	0.5	1.25	10	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
55	G 400.500	4.00 - 5.00	20	0.5	1.25	10	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
56	G 410.440	4.10 - 4.40	20	0.5	1.25	10	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
57	G 440.500	4.40 - 5.00	20	0.5	1.25	10	0.63 X 0.63 X 0.25	15.9 X 15.9 X 6.35	15
58	G 500.600	5.00 - 6.00	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
59	G 550.600	5.50 - 6.00	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
60	G 560.580	5.60 - 5.80	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10

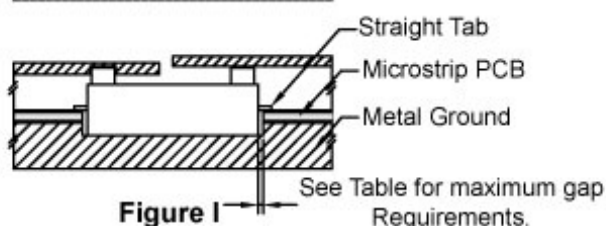
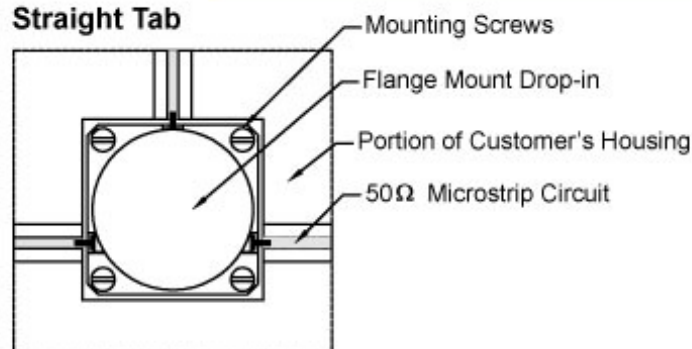
Contact factory for other frequency ranges or non-standard requirements

STANDARD NARROWBAND 3 PORT DROP-IN FLANGE MOUNT ISOLATORS & CIRCULATORS

Model No.		Frequency GHz	Isolation dB (min)	Ins. Loss dB (max)	VSWR (max)	Fwd. Power Avg. (watts)	Size (Inches) W x L x T	Size (mm.) W x L x T	Weight (grams)
61	G 580.590	5.60 - 5.90	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
62	H 580.650	5.80 - 6.50	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
63	H 640.720	6.40 - 7.20	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
64	H 710.780	7.10 - 7.80	20	0.5	1.25	25	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
65	I 790.840	7.90 - 8.40	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
66	I 850.960	8.50 - 9.60	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
67	J 95.105	9.50 - 10.50	20	0.5	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
68	J 105.115	10.50 - 11.50	20	0.6	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
69	J 113.128	11.30 - 12.80	20	0.6	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
70	J 137.145	13.75 - 14.50	20	0.6	1.25	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10
71	J 140.145	14.00 - 14.50	20	0.6	1.35	10	0.5 X 0.5 X 0.25	12.7 X 12.7 X 6.35	10

Recommended Installation for Aerocomm Drop-in Isolator / Circulator

Straight Tab



Surface Mount

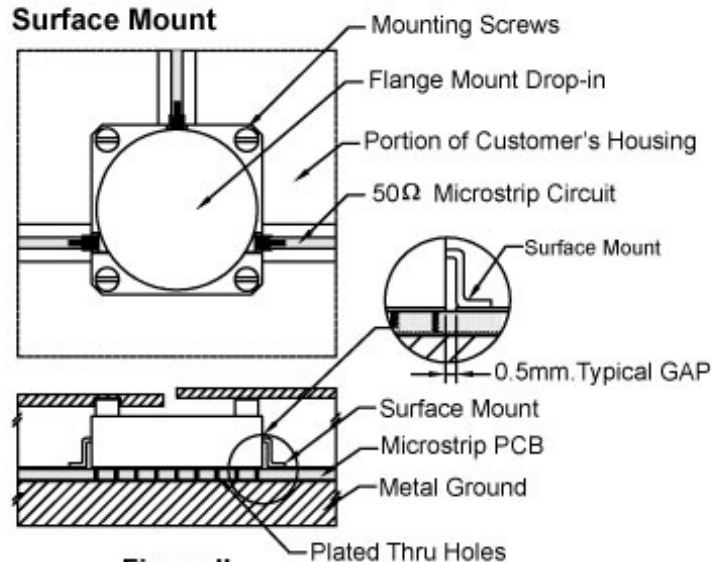


TABLE I	
FREQ. (GHz)	GAP (mm. MAX)
< 0.5	0.2
1.0	0.1
5.0	0.08
10.0	0.06
20.0	0.04

Aerocomm's drop-in (tab or surface mount terminal) must be installed so that bottom surface of housing lies flat with circuit ground and connecting tabs lie flat with microstrip circuit. The tabs must be aligned properly on the mating 50 Ohms microstrip circuit.

Typical alignment is shown in figure 1 for straight tab and figure 2 for surface mount terminal. Failure to make bottom surface lies flat may cause high insertion loss, degraded VSWR and intermittent performances.

For surface mount, proper plated through holes are needed for grounding of unit's housing through printed circuit board.

For straight tab, gaps between drop-in housing and cavity wall must be minimized to avoid electrical degradation. See figure 1 and table 1. The gaps must not exceed those shown in table 1.

The connecting tabs must not be bent or distorted in any directions or mechanical and electrical damages may occur. Aerocomm's drop-in units are supplied with mounting holes for use with screws made of (with washers if needed) non-magnetic materials.

Installation torque should be consistent with the size of the screws being used. Appropriate torque should be applied so that bottom surface of the housing lies flat with circuit ground. Do not over torque.

Isolator and circulator are sensitive to magnetic field. Do not expose the unit to strong magnetic field or permanent degraded electrical performances may occur. Installation of unit in proximity to magnetic materials may cause degraded electrical performances.

Circuit connection

The connecting tab is soldered directly to microstrip circuit. Recommended solder type is tin-lead-silver (62sn/36pb/2ag). Excessive solder may cause degraded VSWR and insertion loss. Soldering time and temperature should be optimized to avoid excessive heat that may cause magnetic field degradation and permanent degraded electrical performance.

FM / VHF / UHF AMPLIFIER MODULES FROM 650 mW TO 700 WATTS

FM PALLET AMPLIFIERS

FM-300



- 300 Watts Class C
- 18 dB Gain (min.)
- No Coaxial Cable
- Clamped Transistor
- Up to 86% Efficiency
- 48 Vdc Power Supply
- Highly Consistent manufacturing

FM-700



- 700 Watts Class C
- 16 dB Gain (min.)
- 50 Ohm input/output
- Thermal tracking Bias
- 600 Watts PEP class AB
- 50 Vdc Power Supply
- Available Quadrature combining provides improved performance and smaller form factor

VHF TV PALLET AMPLIFIERS

VHFTV-25-H



- 40 Watts Pk-sync @28 Vdc
- 34 dB Gain
- 50 Watts P1dB Output
- 28 Vdc Power Supply
- Temperature Compensated Bias
- Combined Video and Aural at full rate power
- Modular Construction for ease of Integration

VHFTV-200-H



- 200 Watts Pk-sync @28 Vdc
- 16 dB Gain
- 53 dBm P1dB Output
- 28 Vdc Power Supply
- Temperature Compensated Bias
- Combined Video and Aural at full rate power
- Modular Construction for ease of Integration

VHFTV-400-H



- 400 Watts Pk-sync @32 Vdc
- 16 dB Gain
- 56 dBm P1dB Output
- 28 Vdc Power Supply
- Temperature Compensated Bias
- Combined Video and Aural at full rate power
- Modular Construction for ease of Integration

UHF TV PALLET AMPLIFIERS

UHFTV-5



- 50 Ohm Input/Output
- 26 dB Gain
- 39 dBm P1dB Output
- 41 dB Pk-Sync@54dB IMD's
- 1.2 Watts (avg) Digital Power Out
- 28 Vdc Power Supply
- Combined Video and Aural at full rate power
- Modular Construction for ease of Integration

UHFTV-10



- 50 Ohm Input/Output
- 39 dB Gain
- 42 dBm P1dB Output
- 10 Watts Pk-Sync@54dB IMD's
- 2.5 Watts (avg) Digital Power Out
- 28 Vdc Power Supply
- Combined Video and Aural at full rate power
- Modular Construction for ease of Integration

UHFTV-50



- 50 Ohm Input/Output
- 12 dB Gain
- 52 dBm P1dB Output
- 75 Watts Pk-Sync@-54dB IMD's
- 30 Watts Pk-Sync@-60dB IMD's
- 16 Watts (avg) Digital Power Out
- 32 Vdc Power Supply
- Improved Thermal tracking Bias
- Selectable internal Bias
- Combined Video and Aural at full rate power
- Modular Construction for ease of Integration

UHFTV-150



- 50 Ohm Input/Output
- 13 dB Gain
- 55 dBm P1dB Output
- 150 Watts Pk-Sync@-54dB IMD's
- 65 Watts (avg) Digital Power Out
- 32 Vdc Power Supply
- Improved Thermal tracking Bias
- Selectable internal Bias
- Combined Video and Aural at full rate power
- Modular Construction for ease of Integration

MOBILE ANTENNA - DUPLEXERS NEW PRODUCT !

Aerocomm's duplexers are a group of cavity resonators connected and tuned together to allow both a transmitter and a receiver to share a common antenna. These cavities need to be arranged in an order in which to provide enough isolation to keep the transmitter from interfering with the receiver.

Mobile antenna duplexers are used when the application calls for a compact, rugged unit, such as in a vehicle.

- Compact Rugged Design
- VHF, UHF, 800 MHz Model



Parameter	VHF		UHF		800 MHz
Model Number	64316-0/MC	64316-1/MC	65316-0/MC	65316-1/MC	66316-1/MC

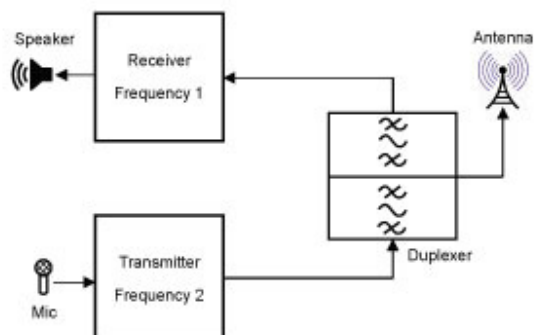
ELECTRICAL SPECIFICATIONS

Frequency Range	138 – 174 MHz	440 – 512 MHz	894 – 960 MHz
Frequency Band	VHF	UHF	800 MHz
Input power	40 W	40 W	40 W
Spacing vs Loss			
• Min Space	5 MHz	5 MHz	45 MHz
• Max Loss	1.2 dB	1.2 dB	1.0 dB
Spacing vs Loss			
• Max Space	15 MHz	10 MHz	45 MHz
• Min Loss	1.0 dB	1.0 dB	1.0 dB
Insertion Loss	1.2 dB	1.2 dB	1.0 dB
Isolation			
• Min	70+ dB	70+ dB	80+ dB
• Type	75 dB	75 dB	90 dB

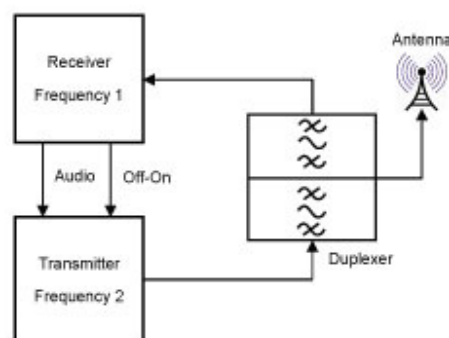
MECHANICAL SPECIFICATIONS

Dimension (H x W x D)					
• Inches	1"3/8 x 6"1/8 x 8"1/2		1"3/8 x 6"1/8 x 8"3/4		1"3/8 x 6"1/8 x 6"
• mm	35 x 156 x 216		35 x 156 x 223		35 x 156 x 153
Number Of Cavities	6		6		6
RF Connector Type	N-Female	BNC-Female	N-Female	BNC-Female	BNC-Female
Finish	Black paint		Black paint		Black paint
Ship weight (kg)	1.4		1.4		1

Application Diagram



Full Duplex System

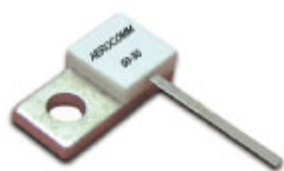


Repeater Station Block Diagram

When ordering our mobile duplexers, it is best that customer give us exact Tx and Rx frequencies. For some qualified customers who could and prefer to re-tune the duplexers, then we will ship duplexers with center tuned. However, it is always better to tune at the factory if possible. Some companies charge extra for exact tuning. We do not. We usually charge the same price for exact tuning or center tuning. So please always specify exact frequencies when ordering to avoid unnecessary tuning tasks.

RF RESISTOR/ATTENUATOR

We supply full ranges of RF resistor, termination and attenuator for various applications. Power ratings are from 1 watt to KW ranges. Connectorized with enclosure/heat sink are available.



1-FLANGE-LEFT



1-FLANGE-RIGHT



1-FLANGE-TOP



2-FLANGE



TERMINATION

WIDEBAND DISTRIBUTION MODULE

HF Bandpass Filters (2-32 MHz)

Filter modules to reduce interference from the MW broadcast band and FM radio network in HF receivers.



Bias T's

400-800MHz for use in Mines in Australia where RF communication is via leaky feeder and Cable repeaters, these units were specially 'hardened' for this environment.



RF Switches

Used by Telecoms customer as a vital element in a 'cut off' mechanism for switching RF into a safe load in the event of a cable becoming cut.



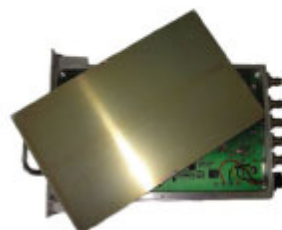
Low Noise Amplifiers

For professional TV reception. In Australia some of the outback communities rely on TV transmitted from a long distance a rugged design was needed with high Performance. 400-800 MHz.



Medium Power HF Linear amplifiers

Frequency 2-45Mhz very high linearity TOIP>+50dBm in small Package used in a military HF Radar application for sounder units and ATE equipment. Very high MTBF and reliable operation, no failures in 10 years.



Low Loss Low Power RF Power Splitters

HF/VHF Power splitters hybrid based using wideband transformers offering low loss, wideband and good isolation.

Multicoupler units for HF Radio Systems

Frequency Standard dividers and splitters for use in supplying multiple outputs from a single frequency standard input.

Ordering and payments instructions

1. Please send your Purchase Order by fax to 662 693 8304 or by email to aerocomm@aerocommthailand.com.
Please indicate model number and quantity in your PO as well as shipping method.
2. We will send you our Proforma Invoice with bank account information for wire transfer or stating details with total amount for your credit card / Paypal payment.
3. After you make payment please send us receipt or proof so we could trace money with our bank.
4. Upon receiving money to our account your order will be processed. We will send you email confirming the receipt of money and exact delivery date.
5. We will send you a draft invoice by email for your approval before shipment. If the invoice is acceptable we will make shipment and advise tracking number so you could trace your order shipment.

Standard payment is by wire transfer as stated above. Other payment methods are available.

Payment by VISA or Master cards :

Please send us details of your card as follows. You may send by fax or email.

Card Holder's Name (same as name shown on credit card) :

Credit card number :

Issuer bank name :

Expiry date :

3 Digit Card Verification Number (last 3 digits number on signature panel) :

Payment amount :

NOTE : CREDIT CARD PAYMENT IS SUBJECT TO 5% BANK FEE

Payment by Paypal :

Aerocomm Paypal Account : Please contact us for details.

NOTE : PAYPAL PAYMENT IS SUBJECT TO 5% BANK FEE

Payment by Western Union (for small amount only) :

We could accept payment for amount lower US\$500 through Western Union. Please note there is high fee for sender.

Please contact our staffs for more details.

Demonstration Units are available on conditions below.

1. Customer has to pay for list price as deposit. Upon returning the demo to us we will test if product is working normally then we will refund the deposit in full. If there is damage we will deduct repair expenses from refund amount.
2. Customer has to return the demo unit within 30 days. Otherwise, the unit is regarded as "sold" to the customer.
3. All expenses such as duty, transportation, etc. are responsibility of customer. Customer must return the unit on freight prepaid basis.

Explanation for VAT exemption procedures

1. For all local purchases (regardless of local or oversea buyers) , buyer must pay VAT (7% as of 2010). The VAT is collected by Aerocomm to pay to Tax Department every end of month. Aerocomm has strong policy TO NOT avoid paying VAT to our government.
2. VAT is exempted for export purchase. Export purchase DOES NOT mean oversea buyer to come to Thailand and buy to carry goods with them. Export purchase means goods to be exported through formal channel i.e. passing through Thai customs office to process all export paperworks. These paperworks are evidences for Aerocomm to proof to Tax Department for VAT exemption. Without the paperworks from customs all sales are treated as local sales and VAT must be paid by buyer.

ORDERING INFORMATION

How to order

When placing order please specify standard model numbers , frequency range , product type and shipping instructions. For non-standard model please specify full specifications and requirements with drawing (if available). Aerocomm will specify model number and our drawing will be sent to customer for approval. Please address your order to Aerocomm Company Limited or care of our representative in your country. Please visit our website for more details about our representatives , new products and new development. An order is considered contractually valid when customer's purchase order is accepted by mail, facsimile or email.

Terms of Sale

Terms of sale are Cash With Order or irrevocable L/C at sight confirmed by a registered Thailand bank. All prices are Ex-factory unless otherwise specified. See inside for other available payment methods.

Import Duty Exemption

Many countries may import our products free of import duty under special system of preference. Please contact your Trade Department for details.

Shipping Information and Claims for Shipping Loss or Damage

All sales are considered F.O.B. origin unless otherwise specified. Shipments from factory are normally made via reliable Air Courier unless otherwise specified in customer's purchase order. Any damage incurred during shipment should be settled between customer and carrier. Although claims for loss are the responsibility of the consignee, Aerocomm will assist in all ways in making claims and tracing for loss or damage to any of its shipment.

Modifications and Delays

Aerocomm reserves the right to make design changes or modifications to any of its products without specific prior modification provided that such modifications do not materially reduce the value or performance of the product concerned. Aerocomm will not be responsible for delays in shipments occasioned by slow or interrupted deliveries to Aerocomm of components, materials or processes necessary to the completion of any project as originally scheduled.

Change Order and Cancellation

Change orders regarding price, delivery or any conditions not specified on the original order will be considered in effect after mutual agreement has been affirmed in writing between customer and Aerocomm. Cancellation of any accepted order can only be made after written consent of Aerocomm. All cancellations will be dependent upon customer's agreement to satisfy all costs incurred by Aerocomm and its proportionate profit on all work completed. Aerocomm will endeavor to stop work promptly upon notification of cancellation.

Product and Price Change

Aerocomm reserves the right to change specifications and prices without prior notice.

Products Return

Merchandise returned for rework or replacement shall be in accordance with the terms and conditions set forth under the warranty. Merchandise returned without having first obtained written acknowledgement from Aerocomm may be rejected. Complete information should be provided with the shipment giving a detailed description of the reason for the merchandise's return, date and number of original purchase order, the products model and serial number and address to which the merchandise is to be reshipped. Unless otherwise authorized, credits or refunds will not exceed 90% of originally invoiced amounts, and in no event shall include transportation costs. Return authorizations shall expire in 60 days unless otherwise specifically noted. Merchandise returned as defective and found to meet the original specifications will be subjected to a nominal handling charge to cover costs of re-inspection and re-testing.

Standard Warranty Policy

Aerocomm Company Limited, hereinafter called Aerocomm, warrants that all equipment of its manufacture shall be free from defects in design, materials and workmanship for a period of 12 months from date of shipment unless otherwise covered by special warranty. If any such product, entirely or in part, fails to produce the performance as set forth in the catalogs, quotations or literature provided by Aerocomm, such product will be replaced or repaired at Aerocomm's expense provided that the failure was not the result of alteration , misuse , tampering , misapplication , shipping damage or vandalism. If a product failure is found to be the fault of Aerocomm, costs of transportation to the Aerocomm factory will be born by Aerocomm and return cost to customer will be born by the customer. A reasonable charge for travel , accommodation and subsistence costs will be invoiced when on-site repairs are necessary. Should Aerocomm supply components not of its own manufacture, but specified by a customer, the warranty shall reflect the original manufactures warranty, only.

It is understood that this statement constitutes Aerocomm's entire and only warranty, there being no other warranties expressed or implied in law or in fact, including implied warranties of fitness. In no event shall Aerocomm be liable for damages, either direct or consequential, that may be occasioned by any defect in materials, workmanship or product support.

**Aerocomm's new Head Office
(Completed in 2011)**



**Aerocomm Company Limited
RF & Microwave Products Division**

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Your local representative is