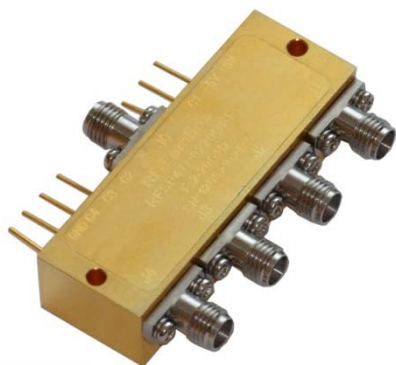




Absorptive 0.05-50GHz Coaxial SP4T Switch



Features

- Wide Band Operation 0.05-50GHz
- High Power Handle Capability up to 1W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -45°C~+85°C
- Customization available upon request

RF SPECIFICATIONS

PARAMETER	FREQUENCY BAND	MIN	TYP	MAX	UNITS
INSERTION LOSS	0.05 - 18GHz	---	1.0	1.2	dB
	18 - 50GHz	---	1.4	1.8	dB
ISOLATION	0.05 - 18GHz	45	47	---	dB
	18 - 50GHz	28	33	---	dB
INPUT RETURN LOSS	0.05 - 18GHz	---	22	---	dB
	18 - 50GHz	---	21	---	dB
OUTPUT RETURN LOSS	0.05 - 18GHz	---	25	---	dB
	18 - 50GHz	---	22	---	dB
SWITCHING SPEED (10 % - 90 % RF VOLTAGE)	10GHZ	---	20	---	nS



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RFSP4TA5M50G

Absorptive Coaxial Single Pole Four Throw Switch 0.05-50GHz

Specification	Absorptive type				
	PN: RFSP4TA0004G				
	Low		Med		High
Switching Speed(ns)	100		100		100
P1dB Power (dBm)			24		
max. Power (W)					0.1
Weight (g)	100				
Impedance(Ohms)	50Ω				
Power Supply (V)	+/-5 V DC				
Current(mA)	160mA (+5V) 50mA (-5V)				
Input Connector	2.4mm Female				
Output Connector	2.4mm Female				
Finishing	Gold Plating				
Material	Brass				
Seal	Hermetically Sealed				
Control (TTL Driver Included)	TTL Control				
	C4	C3	C2	C1	Status
	1	1	1	0	J0-J1
	1	1	0	1	J0-J2
	1	0	1	1	J0-J3
	0	1	1	1	J0-J4

Absolute Maximum Ratings	
Biasing	+/-5 V
TTL Control Voltage	+5V/0V
Input RF power	+20dBm
Storage Temperature (C°)	-50 ~ +125

Biasing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

Environment specifications	
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment)
Vibration	35g rms (15 degree 2KHz)
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc

Ordering Information		
Part No	ECCN	Description
RFSP4TA5M50G	EAR99	SP4T 0.05-50GHz PIN Diode Switch



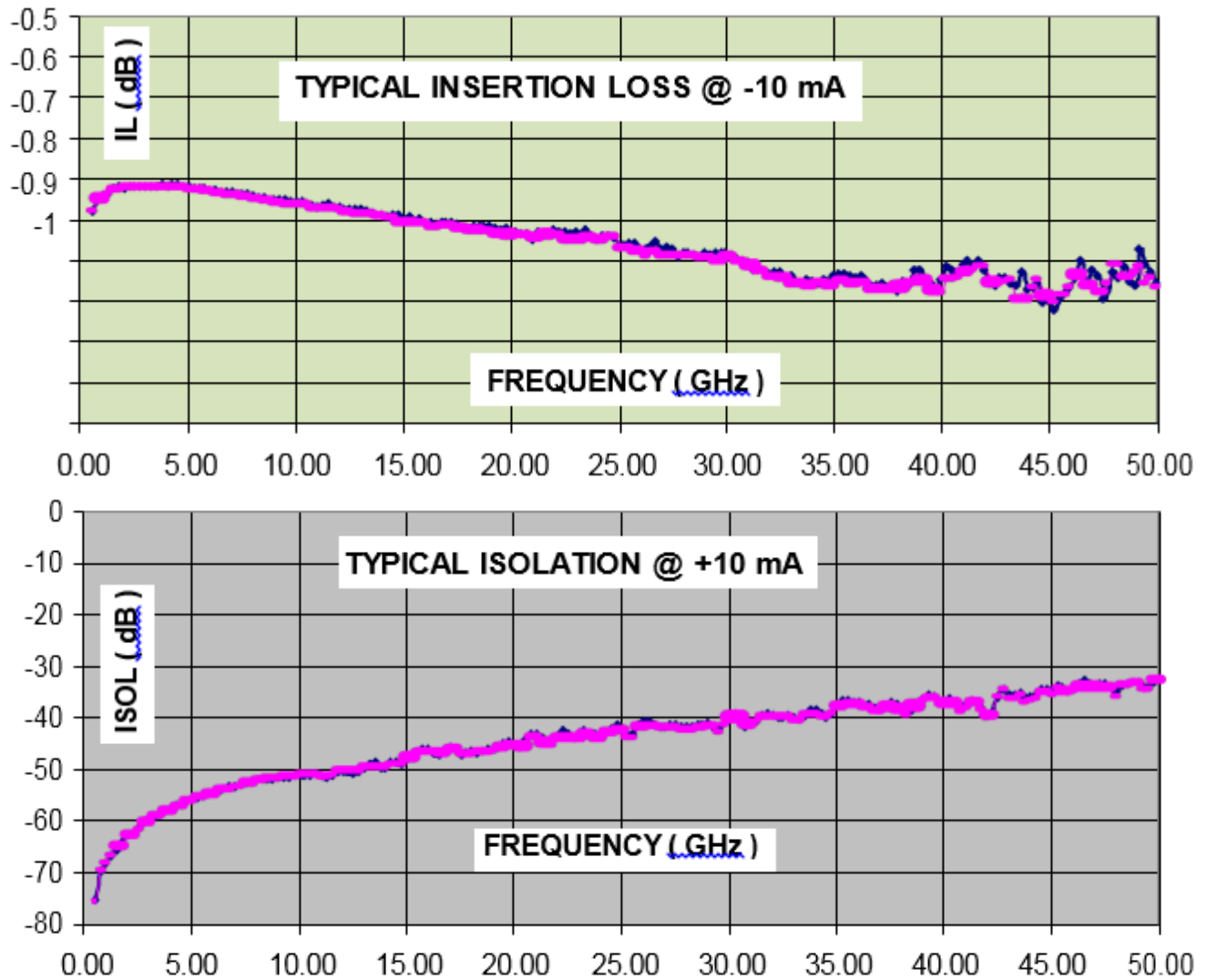


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RFSP4TA5M50G

Absorptive Coaxial Single Pole Four Throw Switch 0.05-50GHz



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