



RF-LAMBDA

The power beyond expectations

C-BAND WR229 WR159 WR137 60dB HIGH GAIN LOW NOISE POWER AMPLIFIERS



High Gain up to 60dB
Applicable for base station, repeaters of cellular network
LMDS multi-carrier operation
Aerospace and military applications
High Peak to average handle capability
High Linearity and low noise figure
All specifications can be modified upon request

Electrical Specifications			
Parameter	Notes	Type/ Max	Units
Gain		60,20,50(optional)	dB
Gain Flatness	Per 1000MHz Per 500MHz Per 40MHz	± 0.75 ± 0.5 ± 0.25	dB
VSWR	Input Output	1.25 / 1.3 1.5/2	
Power Output	at 1dB compression	$\geq +10, +20$ (optional)	dBm
Group Delay (per 40MHz)	Linear Parabolic Ripple	0.02 0.003 0.2	dBc nS/MHz nS/(MHz×MHz)
Gain Stability	60minutes 24 hours One week	± 0.1 ± 0.2 ± 0.5	dB/hour dB/day dB/week
Interface & Frequency	WR229 WR159 WR137	(3.30-4.90GHz) (4.90-7.05GHz) (5.85-8.2GHz)	
Power Supply	Voltage Current	12-21 150	V mA
Operating Temperature	Ambient air temperature	-40~+60	°C

PN: RLNA **WXXGY** → Gain: 60dB / 50dB / 40dB / ... / 20dB
 → Waveguide Type W229 / W159 / W137

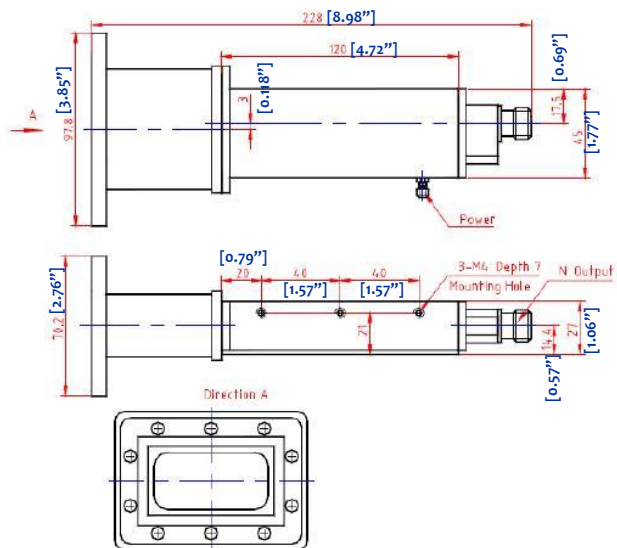
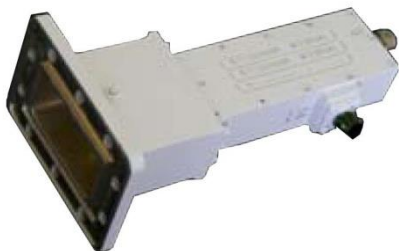
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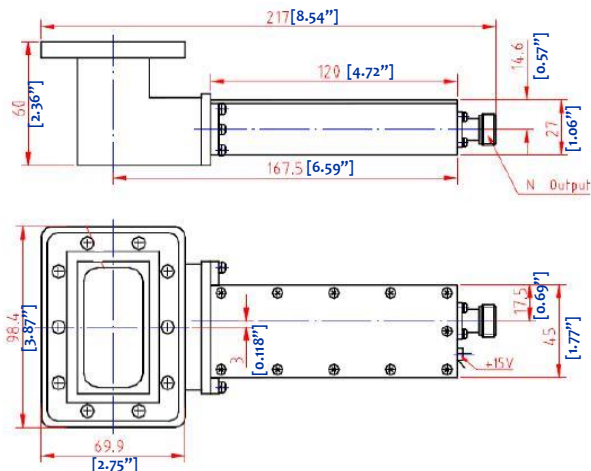
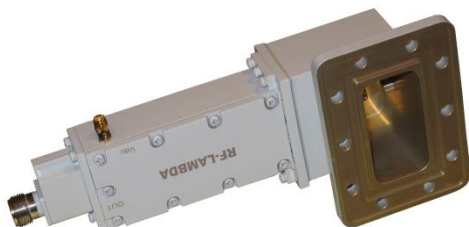
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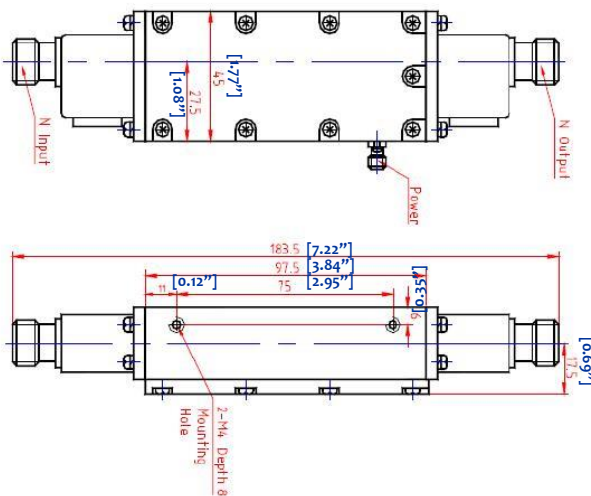
DRAWING(Type one):



DRAWING(Type Two):



DRAWING(Type Three):



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