



RF-LAMBDA

The power beyond expectations

Ka-BAND WR42 WR34 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

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Electrical Specifications			
Parameter	Notes	Type/ Max	Units
Gain		50/60(optional)	dB
Gain Flatness	Per 1000MHz Per 500MHz Per 40MHz	±0.75 ±0.5 ±0.25	dB
VSWR	Input Output	2.0 / 3.0 2.0 / 3.0	
Power Output	at 1dB compression	≥+5	dBm
Group Delay (per 40MHz)	Linear	0.02	dBc
	Parabolic	0.003	nS/MHz
	Ripple	0.2	nS/(MHz×MHz)
Gain Stability (room temperature)	60minutes	±0.1	dB/hour
	24 hours	±0.2	dB/day
	One week	±0.5	dB/week
Interface & Frequency	WR42 input WR34 input	(18.0-26.5GHz) (22.0-33.0GHz)	Output (SMA/N)
Power Supply	Voltage	12-21	V
	Current	120	mA
Operating Temperature	Outdoor	-40~+60	°C

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

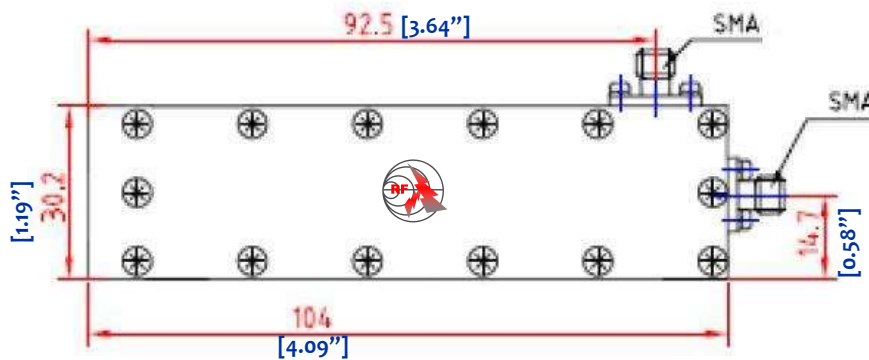
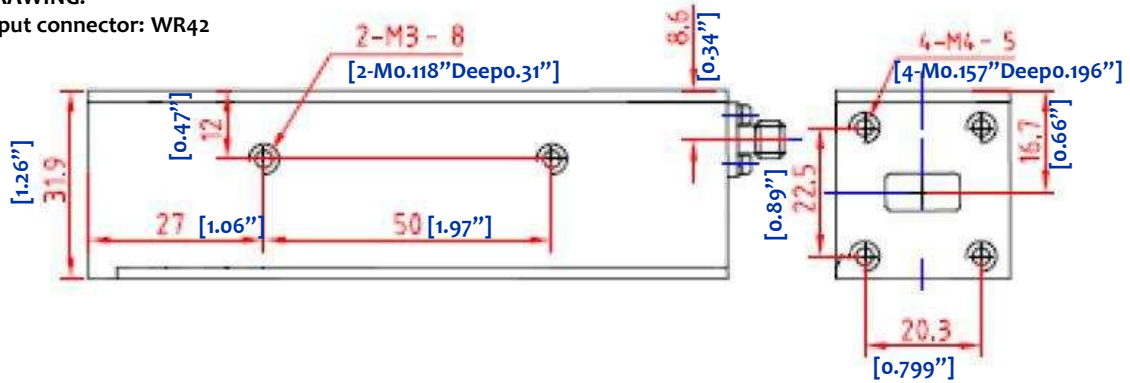


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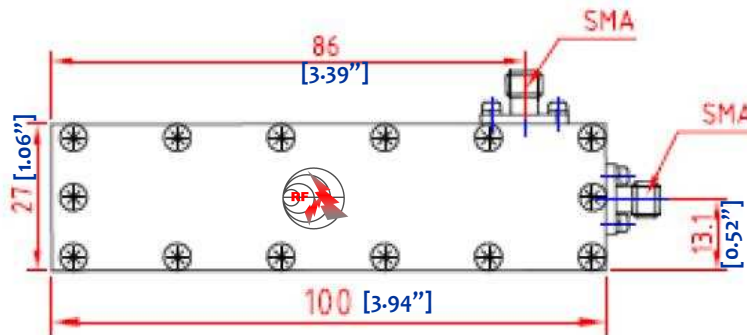
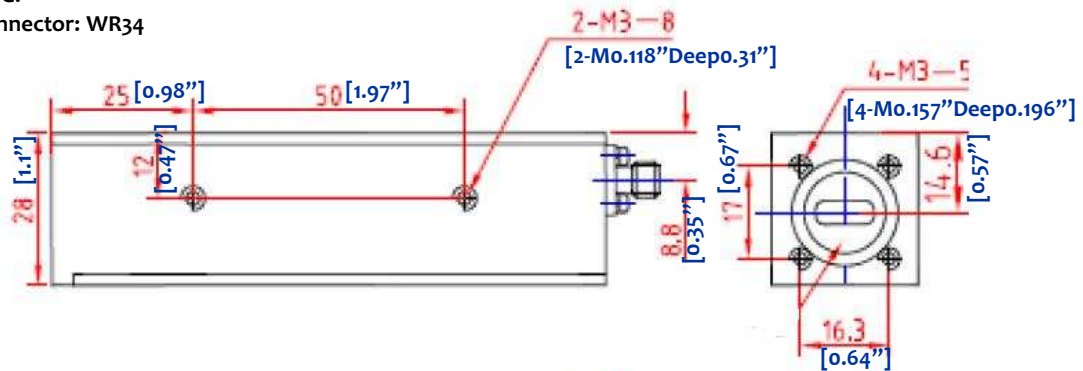
DRAWING:

Input connector: WR42



DRAWING:

Input connector: WR34



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