RF-LAMBDA

The power beyond expectations

X-BAND WR112 60dB HIGH GAIN LOW NOISE POWER AMPLIFERS

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 Per40MHz	±0.75 ±0.5 ±0.25	dB
VSWR	Input Output	1.25 / 1.5 1.5 / 2.0	
Power Output	at 1dB compression	≥+10/≥+20(option)	dBm
Group Delay (per 40MHz)	Linear Parabolic Ripple	0.02 0.003 0.2	dBc nS/MHz nS/(MHz×MHz)
Gain Stability (room temperature)	60minutes 24 hours One week	±0.1 ±0.2 ±0.5	dB/hour dB/day dB/week
Interface & Frequency	Input WR112	(7.05-10.0GHz)	Output (SMA/N)
Power Supply	Voltage Current	12-21 80	V mA
Operating Temperature	Outdoor	-40~+60	℃

PN: RLNAWXXGYY

- WXX → Gain: 60dB / 50dB/ 40dB/… /20dB
- G → Waveguide Type W229 / W159/W137

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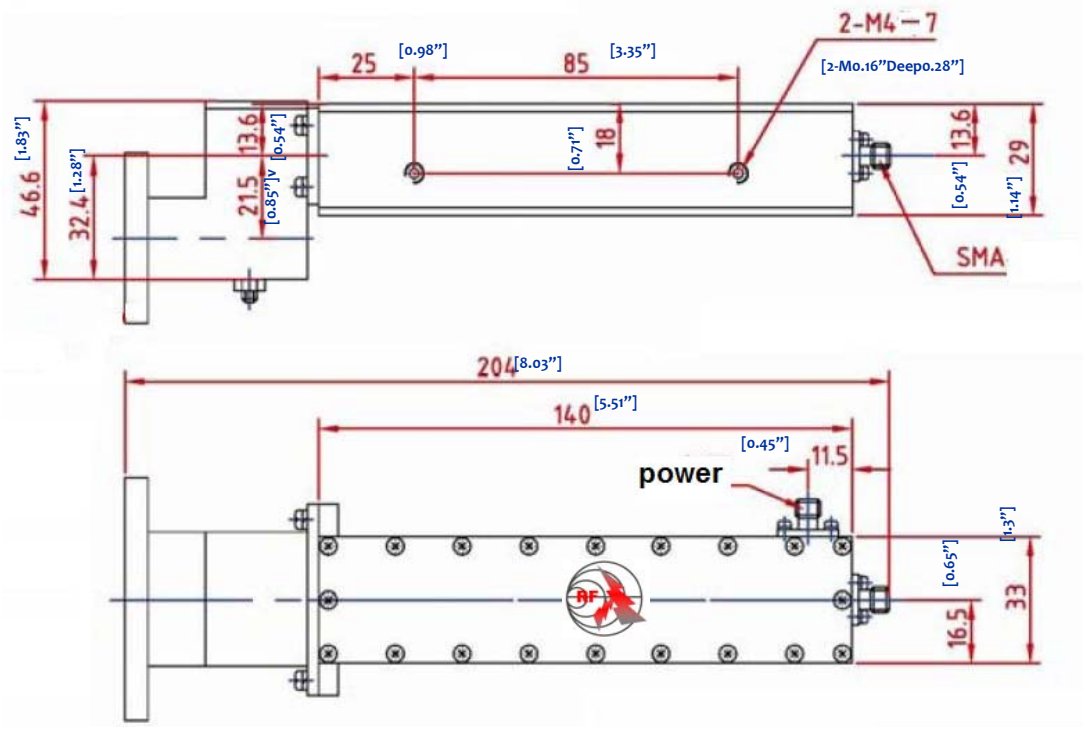
DRAWING: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