RADITEK INC.

RoHS COMPLIANT

code-r12

Amplifier Module, 2-18 GHz

40dB Gain, 28VDC, SMA Connectors, 35 dBm P1 Power

Special features

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

Applications

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics

Order Examples: **RAMP-M-2-18-40d28V-Sf-35dBmP1-r12**
Description:*(Amplifier Module, 2-18 GHz, 40dB Gain, 28VDC, (SMA-Female Connectors, 35 dBm P1 Output Power)*

Electrical Specifications @ 25 °C

Parameter		Min	Typ	Max	Unit
Operating Frequency		2		18	GHz
Power Output	(P1dB)	35 dBm			dBm
Input Power		-	-	+10	dBm
Gain		40			dB
Small Signal Gain Flatness			±2.5		dB
VSWR			2:1		Ratio
Harmonics			-15		dBc
Spurious				-60	dBc
Input Voltage		+28			Volt DC
Current		2			A

Mechanical Specifications	Value	Units
Dimensions W x H x D	50 x 40 x 15	mm
Weight	0.5 Max	Kg.
RF Connectors Input	SMA Female	
RF Connectors Output	SMA Female	
Impedance	50	ohms

Environmental Specifications	Min	Typ	Max	Unit
Operating Temperature	-20		+50	°C
Non-operating Temperature	-40		+85	°C
Relative Humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10,000		30,000	feet
Shock / Vibration(MIL-STD-810F)		Airborne		

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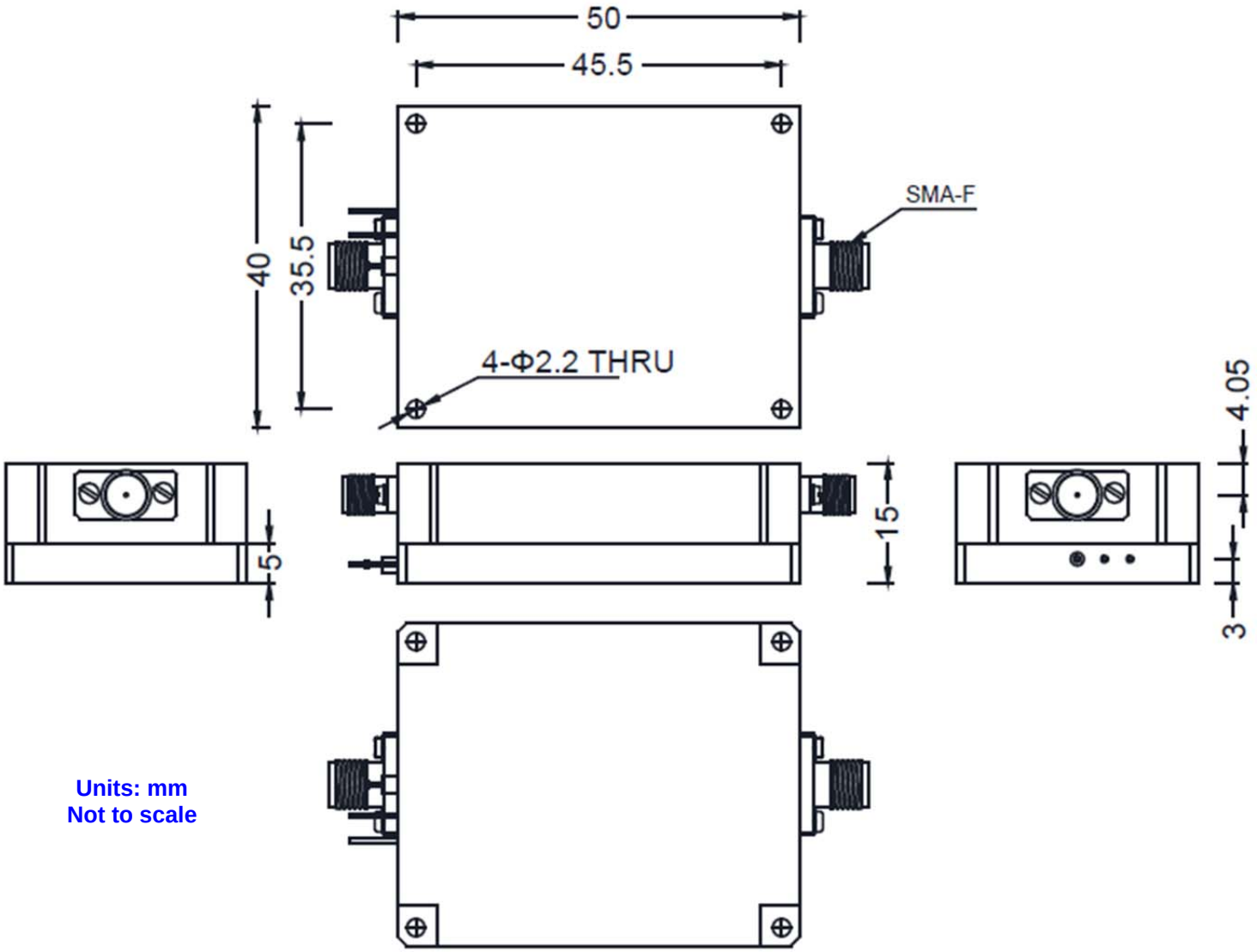
Outline Drawing



Units: mm
Not to scale

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