HD35277
Low Noise Amplifier

FEATURES

- Coax Power Amplifier
- ECCN: EAR99



ELECTRICAL SPECIFICATIONS : 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	7.5 - 18.0 GHz	
Power Output @ P1dB	27 dBm Min	
Linear Gain	37 dB Min	-9dBm for +27dBm output
Small Signal Gain Flatness	±2 dB Max	
Noise Figure	6 dB Max / 3 dB Typ	4dB Typ
2-Tone Intermodulation (IMD)	-32 dBc Typ	17dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	
Spurious	-60 dBc Max	Non-harmonics
Input Return Loss	10 dB Min	
Supply Voltage	15 VDC Nom	
Current Consumption	800 mA Max	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-40 to +85 °C	
Storage Temperature	-55 to +125 °C	
Relative Humidity	up to 95 %	Non-condensing
Altitude	3000 meters	
Shock & Vibration	Normal transport[1]	Design to meet MIL-STD-883

1 MIL Spec available for quotation.

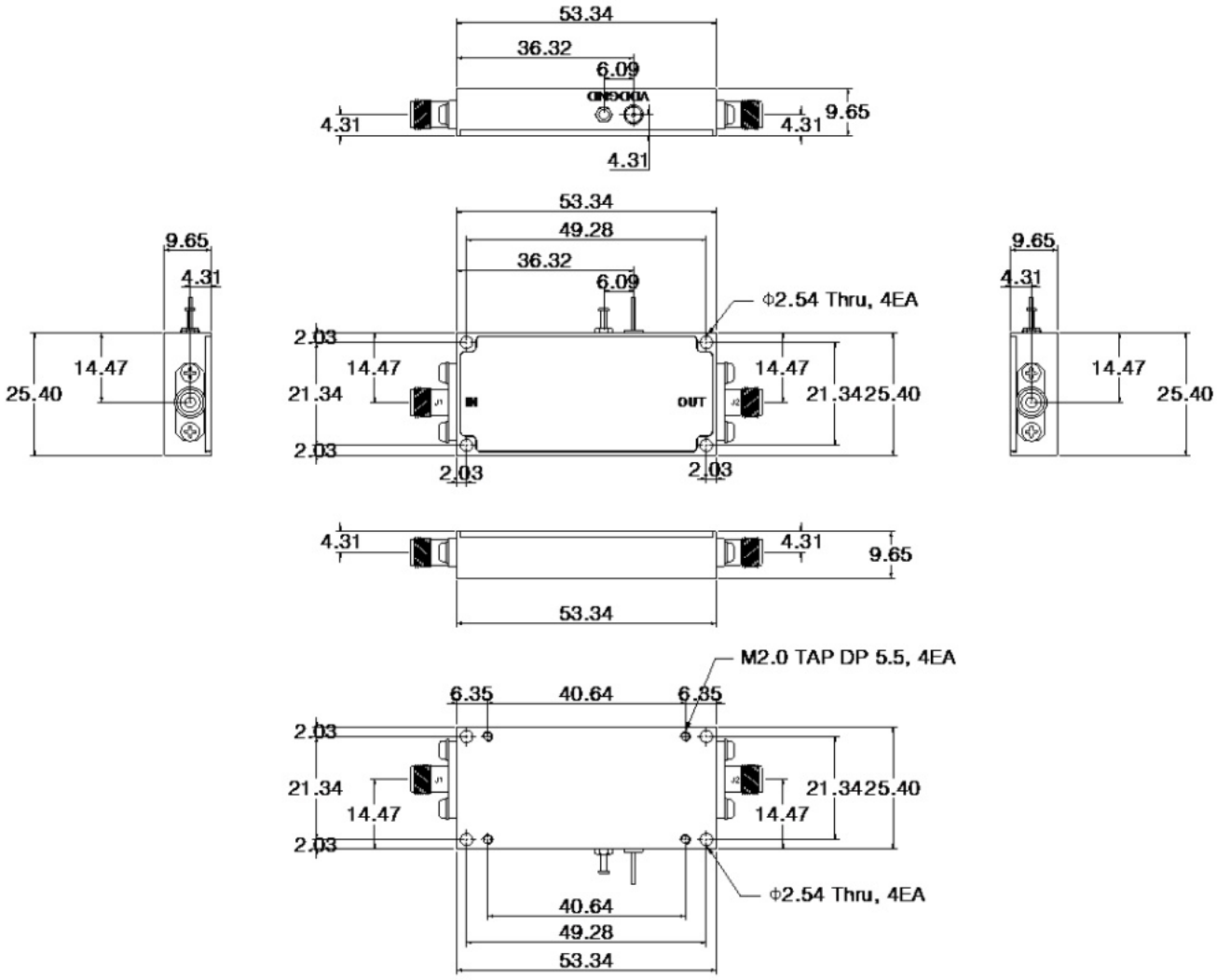
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	53.34 x 25.4 x 9.65 mm	
Connectors (RF Ports)	SMA-F	

338 Jericho Turnpike, Suite 387, Syosset NY, 11791 (631)-588-3877
www.rfamplifiers.com sales@hdcom.com. www.rfcomp.com
Specifications subject to change without notice. Specifications and drawings may vary with selected options.

HD35277
Low Noise Amplifier

OUTLINE DRAWING



338 Jericho Turnpike, Suite 387, Syosset NY, 11791 (631)-588-3877
www.rfamplifiers.com sales@hdcom.com. www.rfcomp.com
Specifications subject to change without notice. Specifications and drawings may vary with selected options.