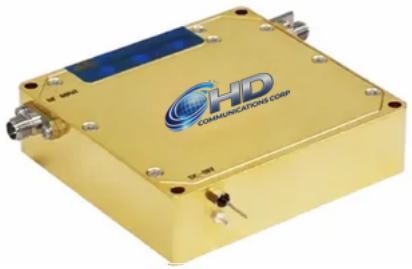
HD31939
Medium Power Amplifier

FEATURES

FEATURES

- Coax Power Amplifier
- Small Form Factor
- Class A Linear design
- Unconditionally stable
- Internal voltage regulator



ELECTRICAL SPECIFICATIONS : 50Ω, 25ºC

Parameter	Specification	Notes
Operating Frequency Range	26.5 - 40 GHz	
Output Power @ P1dB	30 dBm Min	
Linear Gain	36 dB Min	
Gain Flatness	±2.2 dB Typ / ±3.5 dB Max	
Input VSWR	2 : 1 Typ	
Noise Figure	6 dB Typ	
DC Bias Voltage	8 VDC Nom / 4.6 Amp Max	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-20 to +60 ºC	
Storage Temperature	-40 to +70 ºC	
Relative Humidity	up to 95 %	Non-condensing
Altitude	3000 meters	
Shock & Vibration	Normal transport[1]	

1 MIL Spec available for quotation

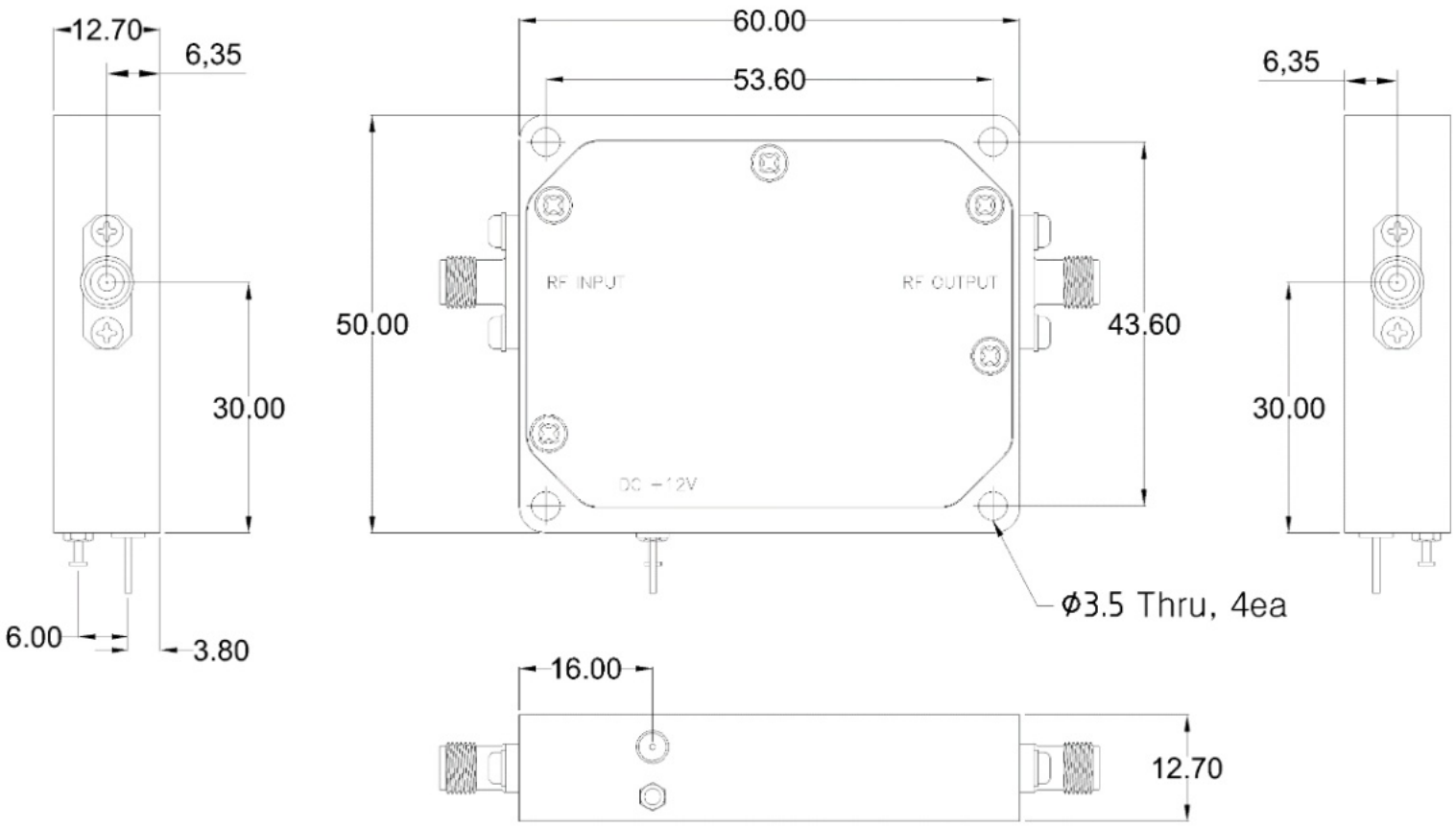
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	60 x 60 x 15 mm	
RF Connectors In/Out	2.92mm K-Female	

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.

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OUTLINE DRAWING



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