HD35269
Low Noise Amplifier Module

FEATURES

Class A linear design
Instantaneous bandwidth
Low Noise
Suitable for all applications
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS : 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	100 - 1500 MHz	
Power Output @ P1dB	20 dBm Min	
Linear Gain	40 dB Typ	Pin=0dBm Max
Gain Flatness	±1.5 dB	
Harmonics	-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Input / Output Return Loss	-10 dB Max	
Noise Figure	2.0 dB Nom	
Operating Voltage	20 VDC Nom	15 VDC Available

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-10 to +55 °C	
Storage Temperature	-40 to +85 °C	
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	44.7 x 29.5 x 17 mm	
Weight	100 gr. Typ	
RF Connectors In/Out	SMA-Female	
DC Power / Interface Connector	Feed-Thru	
Ground	Solder Lug	

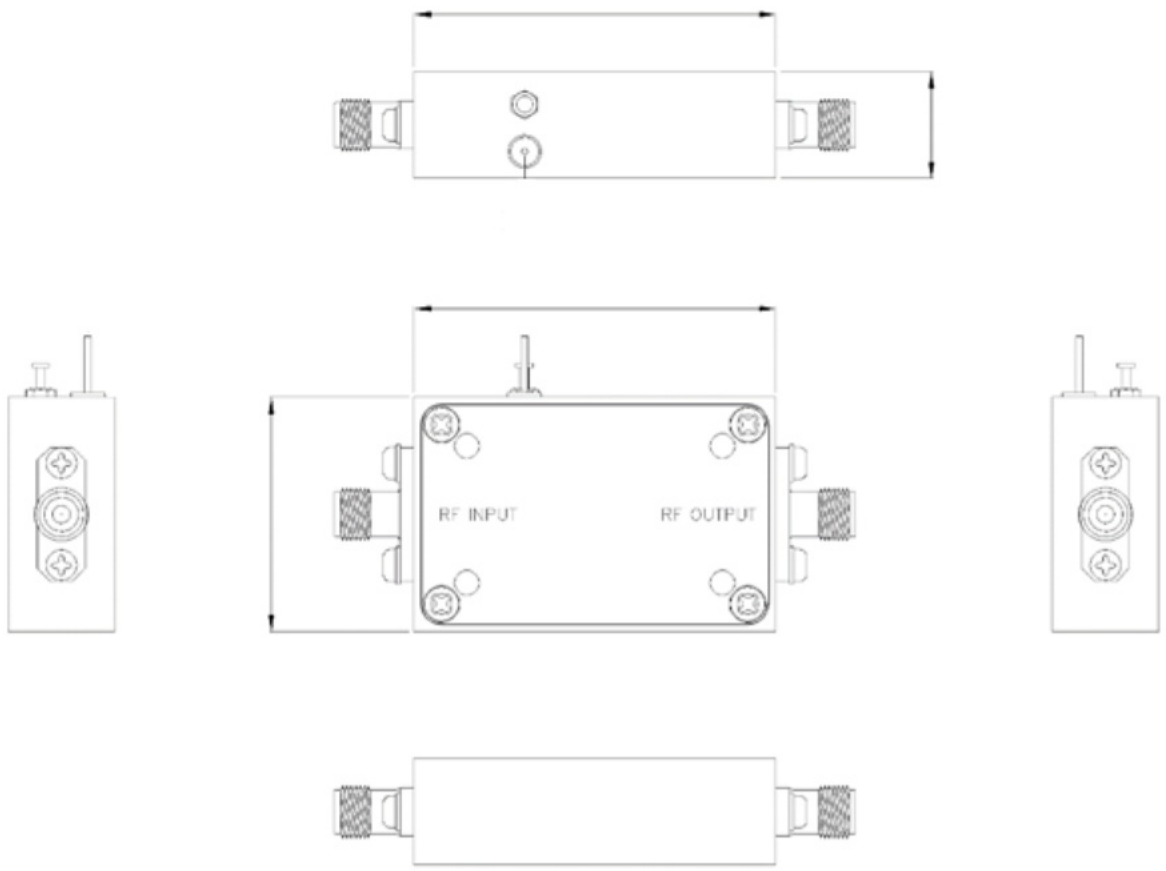
PIN ASSIGNMENT

Pin	Function	Description
1	VDD	20VDC (15 VDC Optional)
2	GND	Ground

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Specifications subject to change without notice. Specifications and drawings may vary with selected options.

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OUTLINE DRAWING



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