HD35271
SOLID STATE LOW NOISE AMPLIFIER

FEATURES

Coaxial low noise amplifier
Suitable for all single channel modulations standards
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS : 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	6 - 18 GHz	
Power Output	10 dBm Min	CW
Power Gain	17 dB Min	19 dB Typ
Gain Flatness	±2.0 dB Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
Harmonics 2^{nd}/ 3^{rd}	-20 dBc Typ	At rated Pout
Noise Figure	1.9 dB Max	1.7 dB Typ
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	15 VDC Nom	
Current Consumption	200 mA Typ	
Input Power Protection	+13 dBm Max	<10 Sec without damage
Load VSWR Protection	∞ : 1	<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-20 to +75 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing
Shock & Vibration	MIL-STD-810F	Designed to meet

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	18.3 x 19.1 x 7.7 mm	
Weight	<100 gr.	
RF Connectors In/Out	SMA (F)	
DC Power / Interface Connector	Feed-Thru	
Ground	Solder Lug	

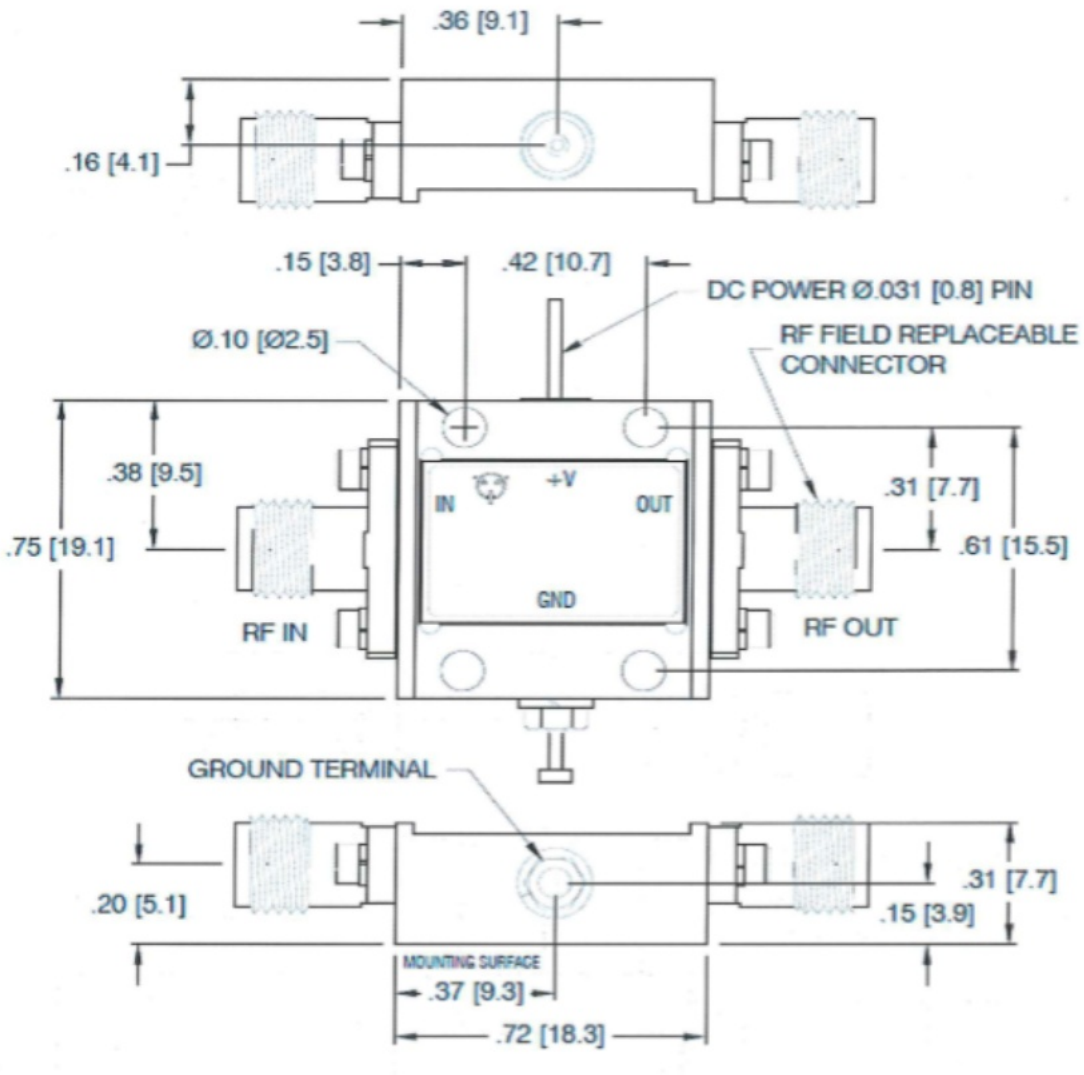
PIN ASSIGNMENT

Pin	Function	Description
1	VDD	15VDC
2	GND	Ground

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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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