HD35278
Low Noise Amplifier

FEATURES

- Coax Power Amplifier
- Wide bandwidth
- High reliability and ruggedness
- ECCN: EAR99



ELECTRICAL SPECIFICATIONS : 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	6.0 - 18.0 GHz	
Power Output @ P1dB	27 dBm Min	
Linear Gain	23 dB Min / 30 dB Max	
Small Signal Gain Flatness	±1.5 dB Max	Over Temp & Freq
Noise Figure	6 dB Max	
3rd Order Intercept Point	+36 dBm Min	
Harmonics	-20 dBc Typ	
Spurious	-60 dBc Max	Non-harmonics
VSWR Input / Output	2 : 1 Max	
Supply Voltage	+15V ±0.5V Nom	
DC Consumption	0.8 Amp Typ	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-40 to +85 °C	
Storage Temperature	-55 to +125 °C	Non-operating
Relative Humidity	95 %	Non-condensing
Reliability	MIL-STD-883	Designed to meet

1 MIL Spec available for quotation.

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	41.3 x 19.3 x 8.4 mm	
Connectors (RF Ports)	SMA-F	MIL-39012 or equivalent

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