

FEATURES

Class A linear design
Coax Solid State Amplifier
Designed for K-Ka broadband linear applications
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	18 - 40 GHz	
Output Power @ Psat	23 dBm Min	CW
Linear Gain	35 dB Min	40 dB Typ
Gain Flatness	±4.0 dB Max	±3.0 dB Typ
Input / Output VSWR	2 : 1 Typ / 2.5 : 1 Max	
Noise Figure	8 dB Max	6 dB Typ
DC Bias Voltage	+15 VDC Typ	
DC Current	3.0 Amp Typ	
Input Power Protection	+10 dBm Max	Without damage
Load VSWR Protection	5 : 1 Max	<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	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 70 x 12.7 mm	Excluding connectors
Weight	500 gr. Nom.	
RF Connectors In/Out	2.92 mm - Female	
DC Power / Interface Connector	DC connection terminals	
Cooling	External Heatsink	Forced air required

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OUTLINE DRAWING

