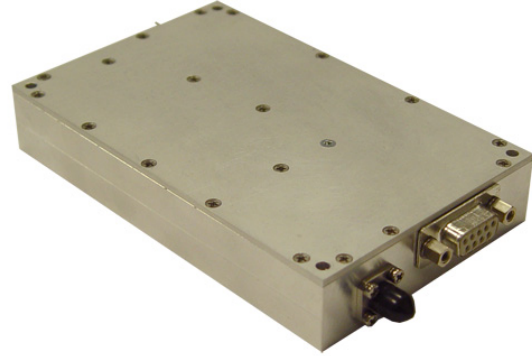

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MIL GRADE

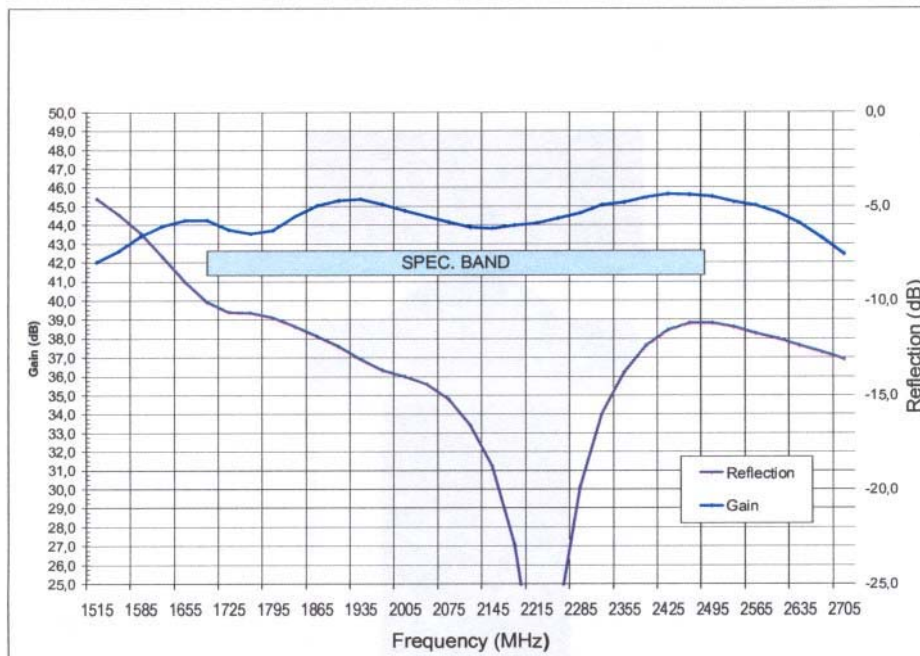
HIGH POWER AMPLIFIER

This is a high power broadband amplifier for labs or testing purposes. This amplifier is excellent for SUHF band 1,500 MHz- 2,500 MHz. The gain is over 43 dB. The maximum power is 12 W. Minimum required driving power is only 1 mW. This amplifier can be used for lab testing or TV applications since the linearity are excellent.

Dimensions: 3.0 " X 1.9 " X 5.0 "



Frequency Response



Electrical Specifications: (at room temperature)

Testing Item	Symbol	Test Constraints	Min	Typ	Max	Unit
Gain	S_{21}	1.5 ~ 2.5 GHz	42	43	44	dB
Gain Variation	ΔG	1.5 ~ 2.5 GHz		± 0.9	± 1.2	dB
Input Reflection	S_{11}	1.5 ~ 2.5 GHz		10		dB
Output Power @ 1dB Gain Comp. Point	P_{1dB}	1.5 ~ 2.5 GHz	38	39	41	dBm
Power Supply Voltage	V_{dd}		12	13	15	V
Current Consumption @ no RF input	I_{dq}	$V_{dd} = +13\text{ V}$		4.3		A
Current Consumption @ P1dB	I_{dq}	$V_{dd} = +13\text{ V}$		6.3		A
Operating Temperature	T_O		0		+60	$^{\circ}\text{C}$