

Medium Power Amplifier DM-MPL-9-101

Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	1.2 – 1.3 GHz
Small Signal Gain	10-12 dB min-max
Flatness	±0.25 dB max
Noise Figure	3.5 dB max
P1dB	21 dBm min
IP3	31 dBm nom
VSWR (input/output)	1.9:1 max
DC Power	+15 VDC, 150 mA nom
Max Input Power	+10 dBm CW
Stability	Unconditional

Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	0.49" x 0.68" x 0.31"
Connectors (In/Out)	SMA (f)/SMA (f)
Sealing	Hermetic
Finish	Grey Paint, Mounting surface Ni finish
Outline	001-0110

Features

Internal Voltage Regulator
Reverse Voltage Protection

Environmental Specifications (by design)

PARAMETER	UNITS
Operating Temperature	-40 to +85°C
Storage Temperature	-54 to +85°C
Relative Humidity	IAW MIL-STD-810F, up to 95%
Altitude	up to 30,000 ft
Shock	IAW MIL-STD-202G, method 214, condition C

Classification

ECCN: EAR99

Test Data

Gain, Flatness, Noise Figure, P1dB, VSWR, DC Power at +25°C