

High-Power Pulsed Amplifier

DM-HPX-250-102



Specifications are subject to change without notice

Electrical Specifications (+25°C)

Parameter	Value
Frequency	9.4 to 10.1 GHz
Small Signal Gain	50 dB min
Gain Var. OverTemp	-0.05 dB/°C typical
Psat @ 0dBm Input	53 dBm min
Psat @ 0dBm Input	250 W typical
Noise Figure	8 dB max
DC Power	50 VDC, 1.8 A nom at Psat
PAE	30 % typical
VSWR (Input/Output)	2.0:1/1.5:1 nom
Harmonics	-15 dBc typical @ Psat
Spurious	-70 dBc typical
Input Power Handling	15 dBm max
Mismatch Handling	3.0:1 max
Operation	Pulse, 100 μ s, 10% d.c.

Environmental Specifications (by design)

Parameter	Value
Operating Temperature	-40 to +80°C
Storage Temperature	-54 to +85°C
Relative Humidity	IAW MIL-STD-810F, up to 95%
Altitude	up to 30,000 ft
Vibration	IAW MIL-STD-810F, Method 514.5, Table 514.5-I,
Shock	IAW MIL-STD-202G method 214, condition C
Salt Fog	5%, +35°C 96 hrs, IAW MIL-STD-810G method
Fungus	IAW MIL-STD-810G method 508.6

Mechanical Specifications

Parameter	Value
Size (L x W x H)	4.5" x 4.5" x 1"
Connectors (In/Out)	SMA (f)/TNC (f)
Sealing	Hermetic
Finish	Grey Paint, Mounting surface Ni finish
Marking	Black per MIL-STD-130
Cooling	External heatsink

Need More Help? Need a Variant of This Product?

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