

MTM

2.5 - 7.5 GHz

Wideband Solid-State Power Amplifiers Modules



STANDARD MODELS

Model	Frequency Range GHz	Output Power min W	Input Power max dBm	Small Signal Gain min dB	Gain Flatness max dB	Gain Adj max dB	Input VSWR typ / max
MTM2P57P5-50	2.5 - 7.5	50	0	48	±4.5	NA	1.5/2
Model	Output VSWR typ / max	2nd Harmonic Power @ Psat typ / max dBc	3rd Harmonic Power@ Psat max dBc	Spur @ Psat typ / max dBc	IM3 typ / max dBc	Noise Floor typ / max dBm/MHz	Stability yes / no
MTM2P57P5-50	2.5/3	-15/-10	-10	-65/-60	27/23	-45/40	Y
Model	VSWR Load	Line Power VA					
MTM2P57P5-50	3	800					

1 HU = 44.45 mm

STANDARD SPECIFICATIONS

Overdrive Protection: up to 0 dBm for no damage
 Input Impedance: 50 Ohm nominal
 Output Impedance: 50 Ohm nominal
 Noise Figure: 20 dB max.
 Class of Operation: AB-linear

GENERAL

RF Input: N-f;
 RF Output: N-f;
 Mains Supply: <800 VA DC 28V
 Ambient Temperature: 0 ... +45 °C
 Storage Temperature: -20 ... +65 °C

Relative Humidity: up to 95% (non-condensing)
 Operating Altitude: up to 2000 m above sea level
 Vibration and Shock: normal laboratory environment
 Cooling: forced air with integral blower
 air intake and exhaust at rear