



Wideband GaN Amplifiers Modules

STANDARD MODELS

Model	Frequency Range GHz	Output Power min W	Input Power max dBm	Small Signal Gain min dB	Gain Flatness dB	Gain Adj max dB	Input VSWR typ / max
MTM7579-1	75 ...79	1	5	33	±4	NA	2/2.5
Model	Output VSWR typ / max	2nd Harmonic Power @ Pout typ / max dBc	3rd Harmonic Power@ Pout max dBc	Spur @ Pout typ / max dBc	IM3 typ / max dBc	Noise Floor typ / max dBm/MHz	Stability yes / no
MTM7579-1	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
Model	VSWR Load	Line Power VA					
MTM7579-1	3	50					

STANDARD SPECIFICATIONS

Overdrive Protection: up to +5 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: WR-10;
 RF Output: WR-10;
 Mains Supply: <50 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