



Wideband GaN Amplifiers Modules

STANDARD MODELS

Model	Frequency Range GHZ	Output Power		Input Power		Small Signal Gain	Gain Flatness	Gain Adj	Input VSWR
		min W	max dBm	min dB	max dB	min dB	max dB	max dB	typ / max
MTM0P72P7-20	0.7 ... 2.7	20	0	46	±2	20	1.5/2		
MTM0P72P7-25	0.7 ... 2.7	25	0	47	±2	20	1.5/2		
Model	Output VSWR	2nd Harmonic Power @ Psat	3rd Harmonic Power @ Psat	Spur @ Psat	IM3	Noise Floor	Stability		
	typ / max	typ / max dBc	max dBc	typ / max dBc	typ / max dBc	typ / max dBm/MHz	yes / no		
MTM0P72P7-20	2/2.5	-15/-12	-20	-65/-60	-30/-25	-45/-40	Y		
MTM0P72P7-25	2/2.5	-15/-12	-20	-65/-60	-30/-25	-45/-40	Y		
Model	VSWR Load	Line Power							
		VA							
MTM0P72P7-20	3	300							
MTM0P72P7-25	3	350							

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: SMA-f/N-f;
 RF Output: SMA-f/N-f;
 Mains Supply: <300 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