

MTM

0.7... 6 GHz



## 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	max dB	max dB	max	
MTM0P706-16	0.7... 6	16	0	44	±4	NA	2		
Model	Output VSWR typ / max	2nd Harmonic Power @ Psat		3rd Harmonic Power @ Psat		Spur @ Psat	IM3	Noise Floor	Stability
		typ / max dBc	max dBc	typ / max dBc	max dBc	typ / max dBc	typ / max dBc	typ / max dBm/MHz	yes / no
MTM0P706-16	2/2.5	-15/-10	-10	-65/-60	30/25	-45/-40	Y		
Model	VSWR Load	Line Power							
		VA							
MTM0P706-16	3	300							

### 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