

MTM

26... 35GHz



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 W	min dBm	max dBm	min dB	max dB	max dB	typ / max	
MTM2635-15	26.5 ... 35	15		0		42		±6	NA	1.5/2
MTM2635-20	26.5 ... 35	20		0		43		±6	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
MTM2635-15	2/3	-15/-10		-10		-65/-60		NA	-40/-35	Y
MTM2635-20	2/3	-15/-10		-10		-65/-60		NA	-40/-35	Y
Model	VSWR Load	Line Power VA								
MTM2635-15	3	250								
MTM2635-20	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: 2.92-f;
 RF Output: 2.92-f; WR28
 Mains Supply: <350 VA
 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