

MTM

26.5... 40GHz



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	dB	max dB	typ / max
MTM2640-2	26.5 ... 40	2	5	36	±4	N/A	1.5/2
MTM2640-4	26.5 ... 40	4	5	37	±4	N/A	1.5/2
MTM2640-5	26.5 ... 40	5	5	39	±4	N/A	1.5/2
MTM2640-10	26.5 ... 40	10	5	43	±4	N/A	1.5/2
MTM2640-15	26.5 ... 40	15	5	43	±4	N/A	1.5/2
MTM2640-20	26.5 ... 40	20	5	46	±6	N/A	1.5/2

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
MTM2640-2	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
MTM2640-4	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
MTM2640-5	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
MTM2640-10	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
MTM2640-15	2/3	-15/-10	-10	-65/-60	NA	-40/-30	Y
MTM2640-20	2/3	-15/-10	-10	-65/-60	NA	-40/-30	Y

Model	VSWR Load	Line Power VA	Dimensions (H, D) 19"-System	Weight typ kg
MTM2640-2	3	60	TBD	TBD
MTM2640-4	3	80	TBD	TBD
MTM2640-5	3	100	TBD	TBD
MTM2640-10	3	200	TBD	TBD
MTM2640-15	3	300	TBD	TBD
MTM2640-20	3	300	TBD	TBD

STANDARD SPECIFICATIONS

Overdrive Protection: up to +10 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/wr-28; standard on front panel
 RF Output: 2.92-f/wr-28; standard on front panel; WR28
 Mains Supply: <300VA DC 28V
 Ambient Temperature: 0 ... +45 °C
 Storage Temperature: -20 ... +65 °C

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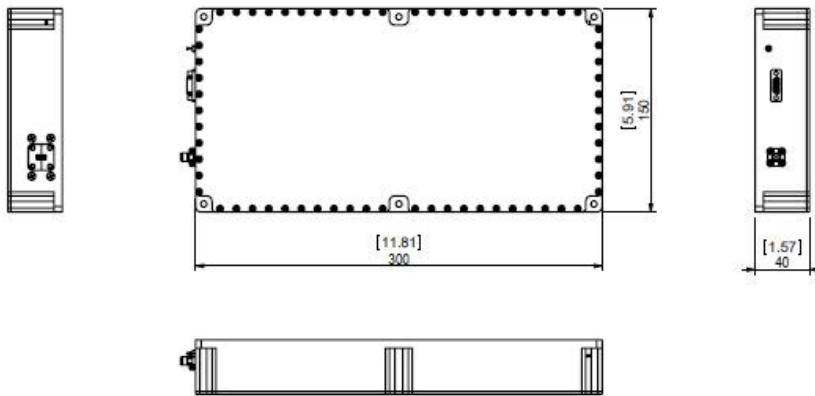
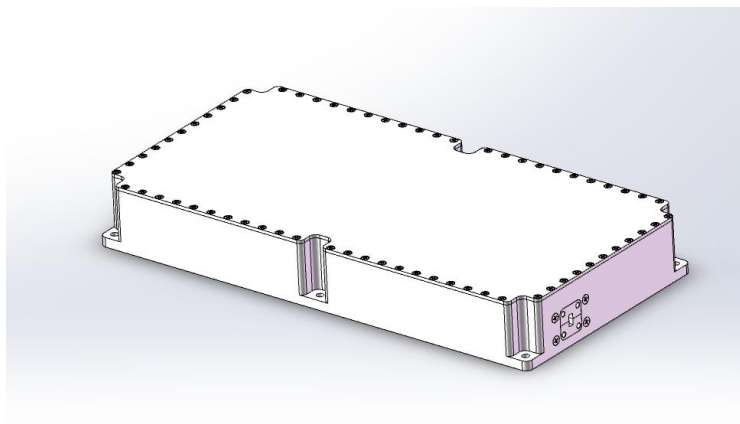


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Relative Humidity: up to 95% (non-condensing)
Operating Altitude: up to 2000 m above sea level
Vibration and Shock: normal laboratory environment
Cooling: forced air with integral blower
air intake and exhaust at rear

Outline

Estimated size, the product is subject to the actual size



(Unit: mm/inch)

ACTUAL TESTING DATA

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26.5-40GHz 40W test data

