

# Medium Power Amplifier

## DM-MPMB-20-101



Specifications are subject to change without notice

### Electrical Specifications (+25°C)

Parameter	Value
Frequency	.5 to 18 GHz
Small Signal Gain	20 dB min
Flatness	±1.75 dB max
Noise Figure	6.5 dB max
P1dB	23 dBm min
IP3	31 dBm nom
VSWR (input/output)	2.0:1 nom
DC Power	+11 to 15+ VDC, 450 mA nom
Max Input Power	+15 dBm CW

### Features

Internal Voltage Regulator  
Reverse Voltage Protection

### Environmental Specifications (by design)

Parameter	Value
Operating Temperature	-40 to +85°C
Storage Temperature	-54 to +85°C
Relative Humidity	IAW MIL-STD-810F, up to 95%
Altitude	up to 30,000 ft
Shock	IAW MIL-STD-202G method 214, condition C

### Mechanical Specifications

Parameter	Value
Size (L x W x H)	0.998" x 0.75" x 0.365"
Connectors (In/Out)	SMA (f)/SMA (f)
Sealing	Hermetic
Finish	Grey Paint, Mounting surface Ni finish
Marking	Black per MIL-STD-130

### Need More Help? Need a Variant of This Product?

Contact Mercury's RF & Microwave engineering team at [rf.microwave@rcy.com](mailto:rf.microwave@rcy.com) or visit [www.mrcy.com/rf](http://www.mrcy.com/rf) for a detailed listing of RF and Microwave products.



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