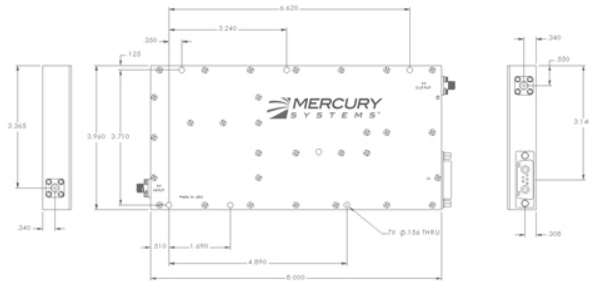


SM0810-47L

800 MHz to 1000 MHz

POWER AMPLIFIERS



Specifications

	Min	Typ	Max	Unit
RF Frequency	800		1000	MHz
P1dB Power Output		47		dBm
Linear Gain		55 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		60		dBm
Input Return Loss			-16	dB
Output Return Loss			-18	dB

Featured and Options

Options:
TTL on/off
Heatsink
Features:
Over Voltage Protection
Thermal Monitor
Forward Power Detection

Environmental Ratings

	Min	Typ	Max	Unit
Operating Temperature	0		55	°C
Operating Humidity		95%		
Operating Altitude		10000		Ft

Connectivity

RF Input Connector	SMA F
RF Output Connector	SMA F
Control/Monitoring Connector	17W2 D-Sub Connector

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		15		A

Pin Table

Pin	Value	Description
RF Input	- 8 dBm typ.	Input Connector (SMA Female)
RF Output	+ 47 dBm @ P1dB	Output Connector (SMA Female)
J1	Power, Monitoring, and Control Connections	17W2 D-Sub Connector

Notes



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