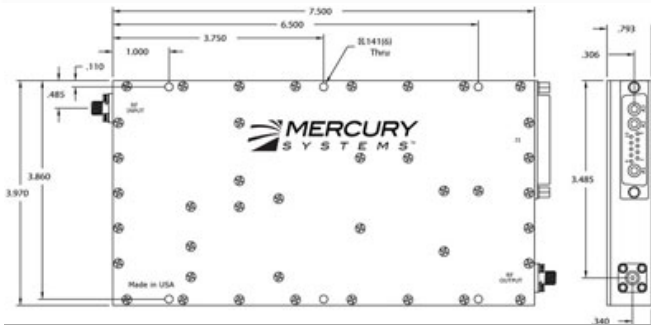


SM04548-47L

450 MHz to 480 MHz

POWER AMPLIFIERS



Specifications

	Min	Typ	Max	Unit
RF Frequency	450		480	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)		66		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

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		6.7	14	A

Pin Table

Pin	Value	Description
RF IN	- 8 dBm, typical	Input Connector (SMA Female)
RF OUT	+47 dBm @P1dB	Output Connector (SMA Female)
1	---	GND
2	? VSWR @ + 38 dBm ? + 3.0 Volts	Reverse Power Detector
3	0 Volts = Off, + 5 Volts = On	TTL Logic On/Off
4	Up to 1?s switching speed, RF isolation when off	TDD Switching Control
5	---	GND
6	---	GND
7	---	GND
8	---	GND
9	---	GND
10	---	GND
A3	---	GND

Notes

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



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