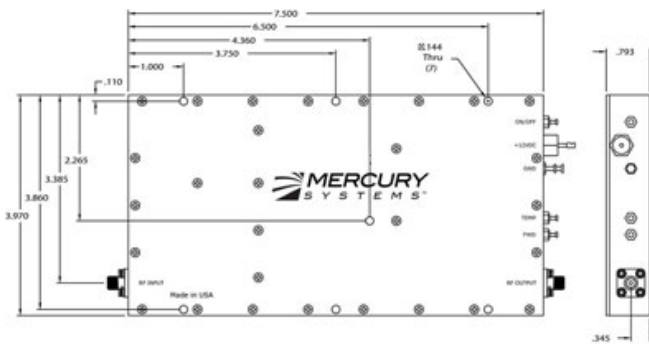
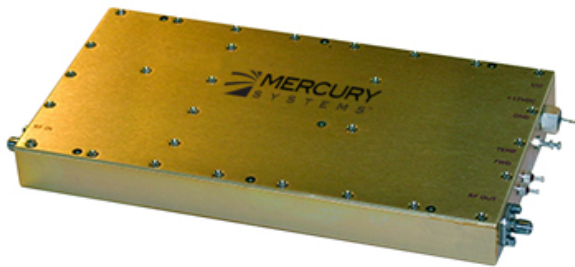


SM09296-47

925 MHz to 960 MHz

POWER AMPLIFIERS



Featured and Options

Options:
 TTL on/off
 Heatsink
 Features:
 Over Voltage Protection
 Reverse 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

Specifications

	Min	Typ	Max	Unit
RF Frequency	925		960	MHz
P1dB Power Output		47		dBm
Linear Gain		58 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		58		dBm
Input Return Loss			-14	dB
Output Return Loss			-14	dB

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		16.5		A

Pin Table

Pin	Value	Description
RF Input	- 8 dBm, typical	Input Connector (SMA Female)
RF OUTPUT	+ 47 dBm (P1 dB)	Output Connector (SMA Female)
GND	---	Ground Turret
FWD	+ 35 dBm Output Power ? + 2.5 Volts	Forward Power Detector
+12VDC	+ 12 Volts @ 16.5 Amperes	DC Input Voltage
I/O	0 Volts = Off, +5 Volts = On	TTL Logic On/Off

Notes



MERCURY COMMERCIAL ELECTRONICS

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Specifications subject to change without notice

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