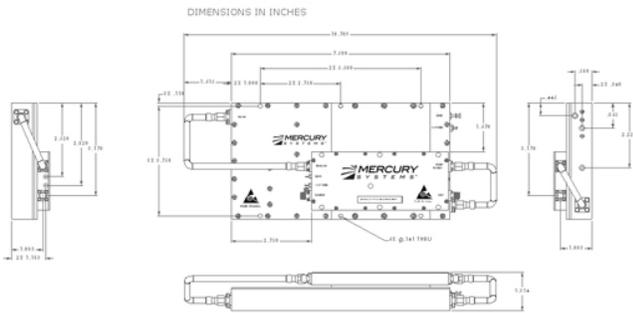


SMTR2327-44

2300 MHz to 2700 MHz

POWER AMPLIFIERS



Featured and Options

- Options:
 TTL on/off
 Fan
 Heatsink
 Features:

Environmental Ratings

	Min	Typ	Max	Unit
Storage Temperature	-40		85	°C
Operating Temperature	-20		85	°C
Automatic Shut Off Temp		90		°C
Operating Humidity		95%		
Operating Altitude		30000		Ft

Connectivity

RF Input Connector	SMA F
RF Output Connector	SMA F
Control/Monitoring Connector	Feedthrough Pins

Specifications

	Min	Typ	Max	Unit
RF Frequency	2300		2700	MHz
Linear Power Output		37		dBm
P1dB Power Output	44.5	45		dBm
PSat Power Output	45			dBm
Linear Gain		30 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		N/A		
Input Return Loss			-16	dB
Noise Figure			9	dB
Harmonics @ P1dB		-45		dBc
Spurious Signals		-65	-60	dBc

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage	11	12	13	VDC
Operating Current Draw		9	9.5	A
Quiescent Current Draw		0.3		A

Pin Table

Pin	Value	Description
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Notes



MERCURY COMMERCIAL ELECTRONICS

DIMENSIONS IN INCHES

