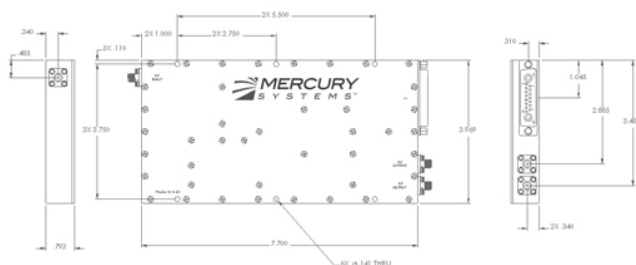


SM2327-47

2300 MHz to 2700 MHz

POWER AMPLIFIERS



Featured and Options

Options:
 TTL on/off
 Fan
 Heatsink

Features:
 Forward Power Detection

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	17W2 D-Sub Male

Specifications

	Min	Typ	Max	Unit
RF Frequency	2300		2700	MHz
P1dB Power Output	47	47.5		dBm
Linear Gain		55 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		60		
Input Return Loss			-16	dB

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage	11	12	13	VDC
Operating Current Draw		15	16	A

Pin Table

Pin	Value	Description
1	CNTL. (HS)	Orange
2	TTL On/Off	
3	Address A1	
4	SCL	White
5	SDA	Purple
6	Rev. Det.	Yellow
7	Fwd Det.	Green
8 thru 15	CND	Black
A-1	+12V	Purple
A2	CND.	Black

Notes



MERCURY COMMERCIAL ELECTRONICS

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 Specifications subject to change without notice

