

Power Amplifiers SM4450-37 4400MHz to 5000MHz

Specifications

	Min	Typ	Max	Unit
RF Frequency	4400		5000	MHz
Linear Power Output		33		dBm
P1dB Power Output	37	38		dBm
Linear Gain		38 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		47		
Input Return Loss			-16	dB

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage	11	12	13	VDC
Operating Current Draw		2.8	3	A

Pin Table

Pin	Value	Description
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Notes



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 subject to change without notice

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