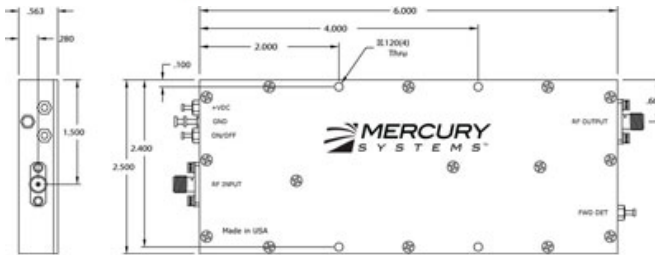


SM2027-41LS

2000 MHz to 2700 MHz

POWER AMPLIFIERS



Featured and Options

- Options:
 TTL on/off
 Heatsink
- Features:
 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	2000		2700	MHz
P1dB Power Output	41	41		dBm
Linear Gain		51 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		59		dBm

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		6		A

Pin Table

Pin	Value	Description
RF Input	- 7 dBm (max)	Input Connector (SMA Female)
RF OUTPUT	+ 41 dBm @ P1dB (min.)	Output Connector (SMA Female)
GND	---	Ground Turret
FWD	+ 34 dBm COFDM Output Power ? + 4.0 Volts	Forward Power Detector
+12VDC	+ 12 Volts @ 6.0 Amperes. (operational)	DC Input Voltage
On/Off	0 Volts = Off, +5 Volts = On	TTL Logic On/Off

Notes



Microwave RF Components | Hudson, NH | (603) 546-4100 | rf.mrcy.com
Specifications subject to change without notice

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