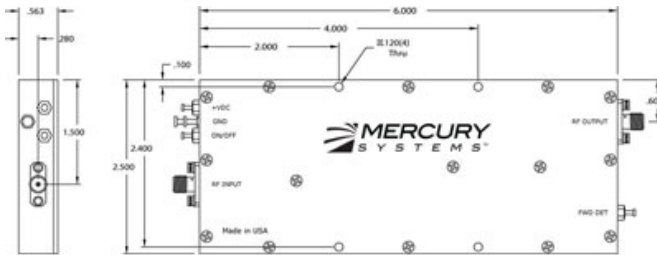


SM2025-42LS

2000 MHz to 2500 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	-10		60	°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		2500	MHz
Linear Power Output		35		dBm
P1dB Power Output		42		dBm
Linear Gain		52 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		61		dBm

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		5.5		A

Pin Table

Pin	Value	Description
RF Input	- 8 dBm max.	Input Connector (SMA Female)
RF OUTPUT	+ 42 dBm @ P1dB (typ.)	Output Connector (SMA Female)
GND	---	Ground Turret
FWD DET	+ 35dBm COFDM Output Power ? + 2.0 Volts. Flatness across the band is ? .4 dB looking into a 50 ? load, example ? Weinschel WA49-10-43, 10 dB attenuator, followed by an HP Power Sensor, #8481B	Forward Power Detector
+12VDC	+ 12 Volts @ 5.5 Amperes. (operational)	DC Input Voltage
On/Off	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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