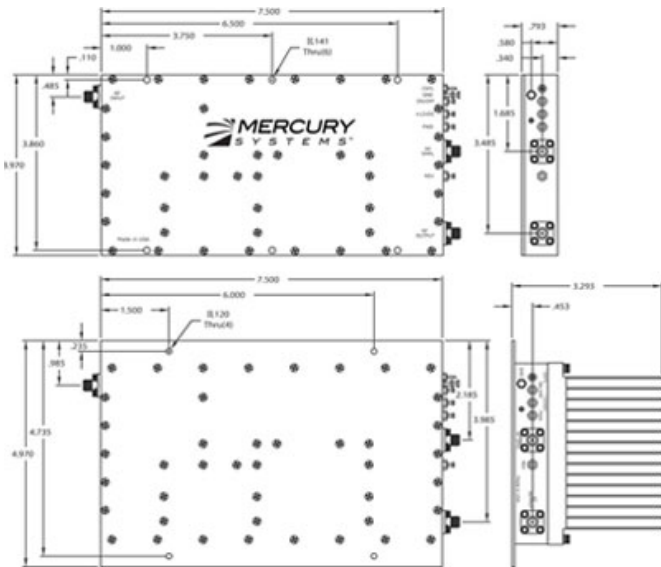
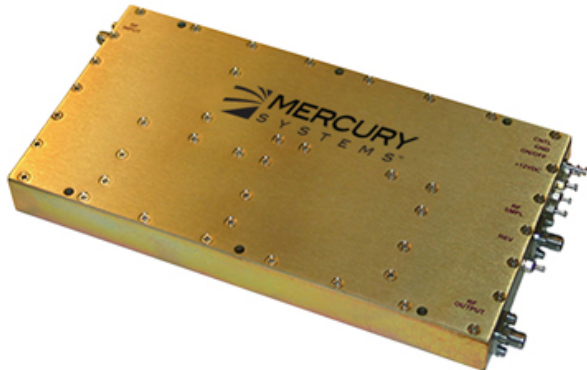


SPEC SHEET

SM1923-41L

1900 MHz to 2300 MHz

POWER AMPLIFIERS



Featured and Options

- Options:
 TTL on/off
 Heatsink
 Features:
 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	1900		2300	MHz
P1dB Power Output		41		dBm
Linear Gain		55 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		63		dBm
Input Return Loss			-16	dB
Output Return Loss			-18	dB

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		4.3		A

Pin Table

Pin	Value	Description
RF Input	-4 dBm typ.	Input Connector (SMA Female)
RF Output	+ 41 dBm @ P1dB	Output Connector (SMA Female)
RF SAMPLE (OPTIONAL)	30 dBr	Sample RF Port (SMA Female)
GND	---	Ground Turret
REV	? VSWR @ + 42 dBm ? + 5 Volts	Reverse Power Detector
FWD	+ 42 dBm Output Power ? + 5 Volts	Forward Power Detector
+12VDC	+ 12 Volts @ 6.6 Amps (typ.)	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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