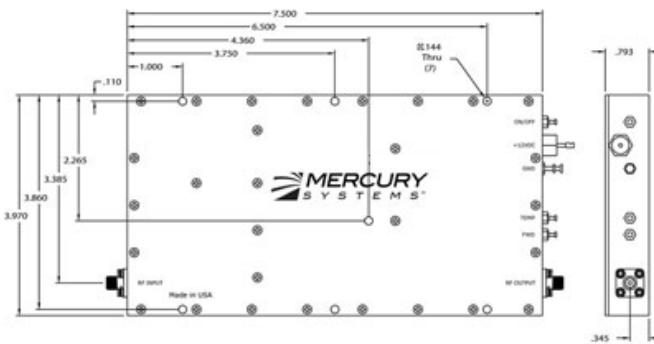
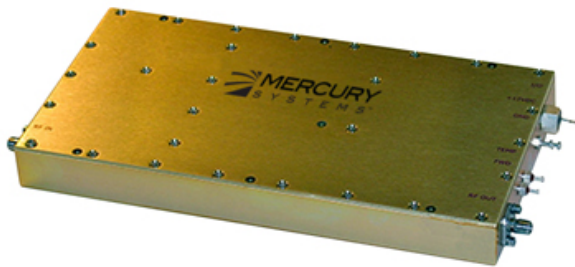


SPEC SHEET

# SM1720-50L

## 1700 MHz to 2000 MHz

### POWER AMPLIFIERS



### Specifications

	Min	Typ	Max	Unit
RF Frequency	1700		2000	MHz
P1dB Power Output		50		dBm
Linear Gain		57 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		66		dBm
Input Return Loss			-14	dB
Output Return Loss			-16	dB

### Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		27		A

### Pin Table

Pin	Value	Description
RF IN	-5 dBm typ.	Input Connector (SMA Female)
RF OUT	+ 50 dBm @ P1dB	Output Connector (SMA Female)
GND	---	Ground Turret
FWD	+ 44 dBm Output Power ? + 5.0 Volts	Forward Power Detector
+12VDC	+ 12 Volts @ 19 Amperes (typ.)	DC Input Voltage
On/Off	0 Volts = Off, +5 Volts = On	TTL Logic On/Off

### Notes

### Featured and Options

- Options:  
 TTL on/off  
 Fan  
 Heatsink  
 Features:  
 Over Voltage Protection  
 Reverse Voltage Protection  
 Thermal Monitor  
 Forward Power Detection

### Environmental Ratings

	Min	Typ	Max	Unit
Operating Temperature	20		75	°C
Operating Humidity		95%		
Operating Altitude		10000		Ft

### Connectivity

- RF Input Connector SMA F  
 RF Output Connector SMA F



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Specifications subject to change without notice

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