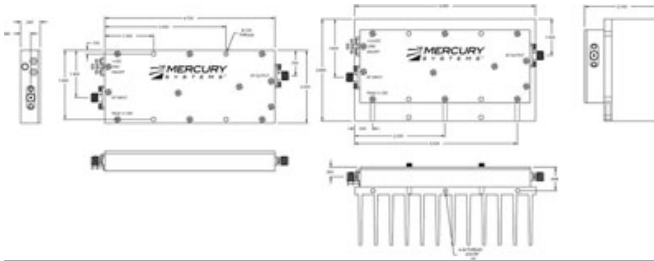
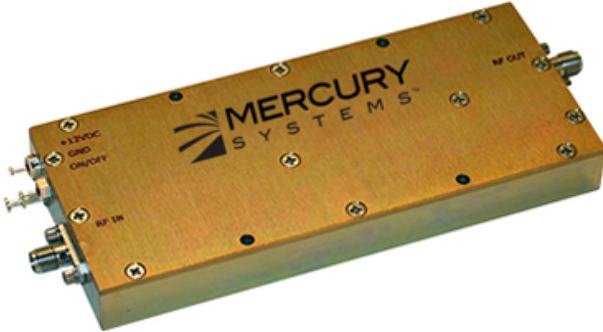


SM5659-37

5600 MHz to 5900 MHz

POWER AMPLIFIERS



Featured and Options

Options:
TTL on/off
Heatsink
Features:
Over Voltage Protection
Thermal Monitor

Environmental Ratings

	Min	Typ	Max	Unit
Operating Temperature	-20		85	°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	5600		5900	MHz
P1dB Power Output		37		dBm
Linear Gain		20 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		47		dBm
Input Return Loss			-16	dB
Output Return Loss			-16	dB

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		2.3		A

Pin Table

Pin	Value	Description
RF IN	+20 dBm max	Input Connector (SMA Female)
RF OUT	+ 37 dBm @ P1dB	Output Connector (SMA Female)
GND	---	Ground Turret
+12VDC	+ 12 Volts @ 2.3 Amperes	DC Input Voltage
On/Off	+5 Volts = On, 0 Volts = Off	TTL Logic On/Off (Or high speed switching if selected)

Notes



MERCURY COMMERCIAL ELECTRONICS

