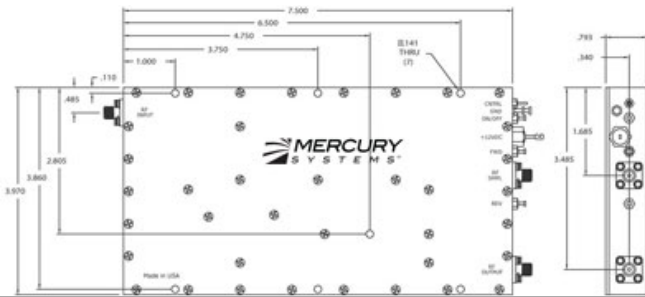
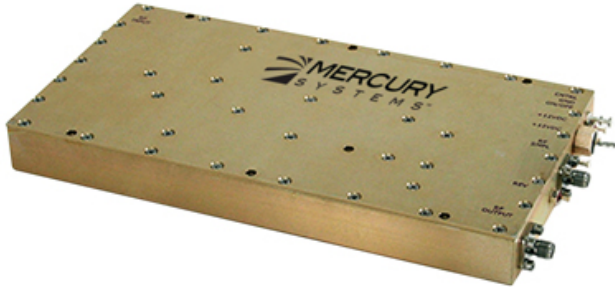


SPEC SHEET

SM3134-47L

3100 MHz to 3400 MHz

POWER AMPLIFIERS



Featured and Options

- Options:
 TTL on/off
 Heatsink
 Features:
 Over Voltage Protection
 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	3100		3400	MHz
P1dB Power Output	47	47		dBm
Linear Gain		55 ±1		dB
Gain Flatness Over Band		±1		dB
Gain Change Over Temp		±1		dB
Third Order Intercept (OIP3)		60		dBm
Input Return Loss			-14	dB
Output Return Loss			-18	dB

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage		12		VDC
Operating Current Draw		9	15	A

Pin Table

Pin	Value	Description
RF IN	- 6 dBm, typical	Input Connector (SMA Female)
RF OUT	+ 47 dBm @ P1dB	Output Connector (SMA Female)
RF SAMPLE	30 dB	Sample RF Port (SMA Female)
GND	---	Ground Turret
REV	? VSWR @ + 41 dBm ? + 3.0 Volts	Reverse Power Detector
FWD	+ 41 dBm Output Power ? + 2.5 Volts	Forward Power Detector
+12VDC	+ 12 Volts @ 15 Amperes (typ.)	DC Input Voltage
I/O	0 Volts = Off, +5 Volts = On	TTL Logic On/Off
CNTL	Switching Speed up to 100 kHz	Pulse Control
THML ALRM	0 Volts = No alarm, + 5 Volts = Alarm	Thermal Alarm (Over Temperature)

Notes



