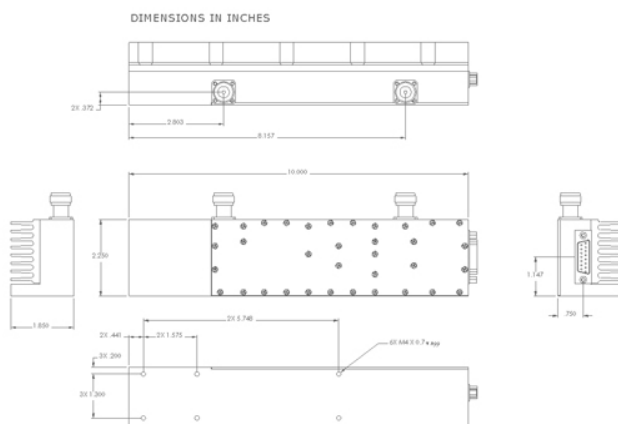


SM7177-43A
7125 MHz to 7725 MHz
POWER AMPLIFIERS



Specifications

	Min	Typ	Max	Unit
RF Frequency	7125		7725	MHz
P1dB Power Output		43		dBm
Linear Gain		48 ±2		dB
Gain Flatness Over Band		±0.5		dB
Gain Change Over Temp		±0.6		dB
Third Order Intercept (OIP3)		51		dBm
Input Return Loss			10	dB

Operating Characteristics

	Min	Typ	Max	Unit
Supply Voltage	-21		-56	VDC

Featured and Options

Options:
Features:
Over Voltage Protection
Thermal Monitor

Environmental Ratings

	Min	Typ	Max	Unit
Operating Temperature	0		55	°C
Operating Humidity		95%		
Operating Altitude		10000		Ft

Connectivity

RF Input Connector	N-Type F
RF Output Connector	N-Type F

Pin Table

Pin	Value	Description
RF IN	---	Input Connector (Female N-Type)
RF OUT	---	Output Connector (Female N-Type)
+12VDC	+ 12 Volts @ 9.5 Amps (typ.)	DC Input Voltage (15 pin D-Sub Conn.)

Notes



MERCURY COMMERCIAL ELECTRONICS

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Specifications subject to change without notice

DIMENSIONS IN INCHES

