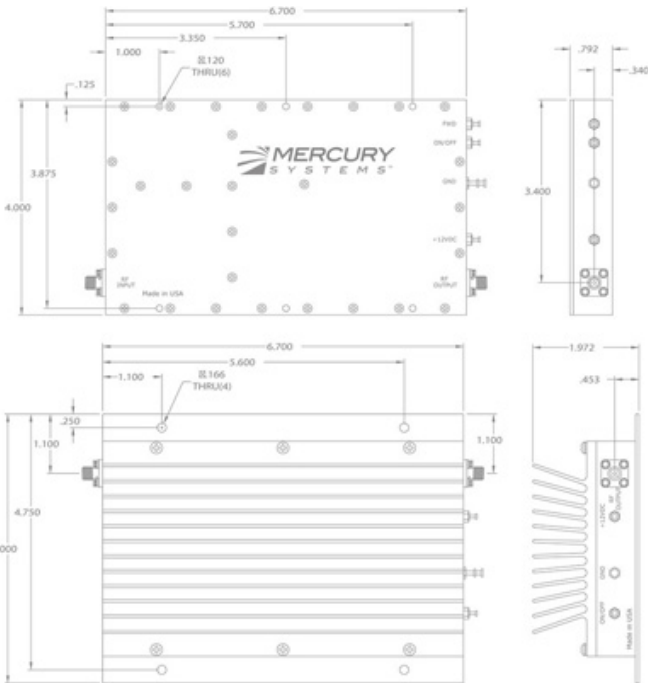
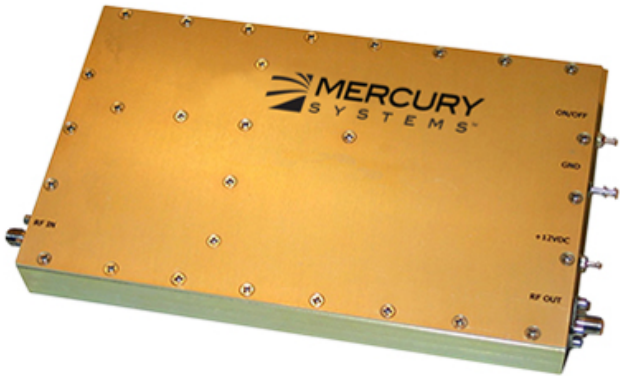


SPEC SHEET

SM0825-40

800 MHz to 2500 MHz

POWER AMPLIFIERS



Featured and Options

- Options:
 TTL on/off
 Fan
 Heatsink
 Features:
 Forward Power Detection

Environmental Ratings

| | Min | Typ | Max | Unit |
|-------------------------|-----|-----|-----|------|
| Storage Temperature | -40 | | 85 | °C |
| Operating Temperature | -20 | | 85 | °C |
| Automatic Shut Off Temp | | 90 | | °C |
| Operating Humidity | | 95% | | |

Specifications

| | Min | Typ | Max | Unit |
|------------------------------|-----|-------|------|------|
| RF Frequency | 800 | | 2500 | MHz |
| P1dB Power Output | 40 | 40.5 | | dBm |
| Linear Gain | | 39 ±1 | | dB |
| Gain Flatness Over Band | | ±1.5 | | dB |
| Gain Change Over Temp | | ±1 | | dB |
| Third Order Intercept (OIP3) | | 50 | | dB |
| Input Return Loss | | | -16 | dB |

Operating Characteristics

| | Min | Typ | Max | Unit |
|------------------------|-----|-----|-----|------|
| Supply Voltage | 11 | 12 | 13 | VDC |
| Operating Current Draw | 5.5 | 5.8 | | A |

Pin Table

| Pin | Value | Description |
|-----|-------|-------------|
|-----|-------|-------------|

Notes

Operating Altitude 30000 Ft

Connectivity

| | |
|------------------------------|------------------|
| RF Input Connector | SMA F |
| RF Output Connector | SMA F |
| Control/Monitoring Connector | Feedthrough Pins |



Microwave RF Components | Hudson, NH | (603) 546-4100 | rf.mrcy.com
Specifications subject to change without notice

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