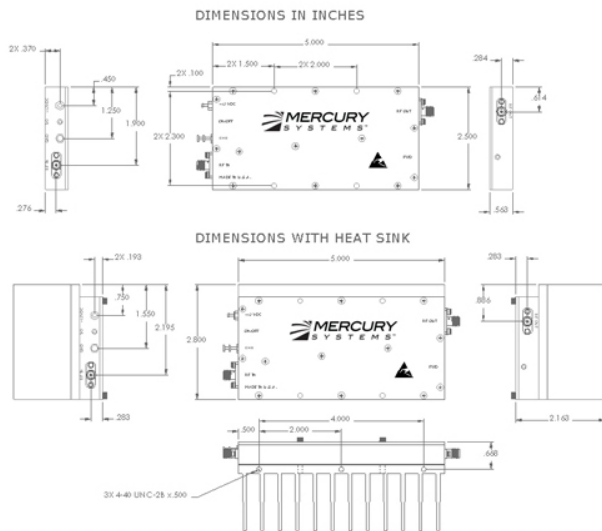


# SM04522-36

## 450 MHz to 2200 MHz

### POWER AMPLIFIERS



## Featured and Options

Options:  
TTL on/off  
Fan  
Heatsink  
Features:

## 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%   |     |      |
| Operating Altitude      |     | 30000 |     | Ft   |

## Connectivity

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

## Specifications

|                              | Min | Typ   | Max  | Unit |
|------------------------------|-----|-------|------|------|
| RF Frequency                 | 450 |       | 2200 | MHz  |
| P1dB Power Output            | 35  | 36    |      | dBm  |
| Linear Gain                  |     | 35 ±1 |      | dB   |
| Gain Flatness Over Band      |     | ±1.5  |      | dB   |
| Gain Change Over Temp        |     | ±1    |      | dB   |
| Third Order Intercept (OIP3) |     | 48    |      |      |
| Input Return Loss            |     |       | -16  | dB   |

## Operating Characteristics

|                        | Min | Typ | Max | Unit |
|------------------------|-----|-----|-----|------|
| Supply Voltage         | 11  | 12  | 13  | VDC  |
| Operating Current Draw |     | 1.9 | 2   | A    |

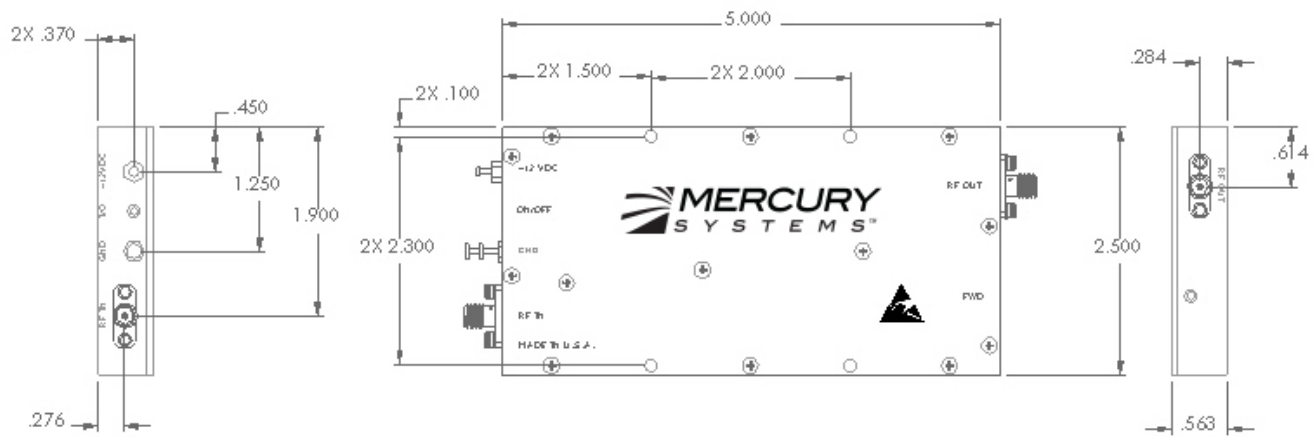
## Pin Table

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

## Notes



## DIMENSIONS IN INCHES



## DIMENSIONS WITH HEAT SINK

