

CPA-8-2013

## Power Amplifier

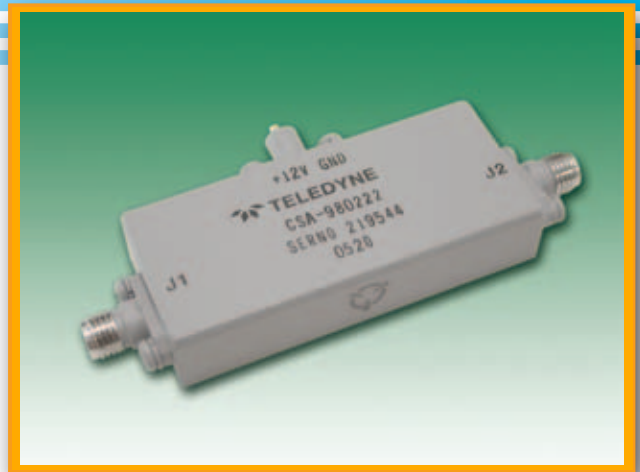
### 2 GHz - 8 GHz

This Power Amplifier offers exceptional performance over the band 2 GHz to 8 GHz with 27 dBm P1dB output power and 27 dB Gain.

Teledyne Microwave amplifiers are balanced or feedback designs and manufactured with the latest MIC & MMIC technology. The GaAs FET's used in these amplifiers are well established proven devices from multiple sources.

Teledyne Microwave offers a complete line of Narrow and broadband Amplifiers covering the frequency range 500 MHz to 40 GHz. These products are available in either connectorized packages or as modules. For a complete list of these products and more, please visit our website.

Other products from Teledyne Microwave include: Transceivers, Synthesizers, and YIG Products



---

#### Specifications:

Model Number: CPA-8-2013

Frequency Range: 2 GHz - 8 GHz

Gain (min): 27 dB

Gain Vs Temp at any Frequency: This Amplifier is not Temperature Compensated

Noise Figure (max): 8 dB

Output Power @ 1dB Compression: 27 dBm

Gain Flatness Vs Frequency: +/-1.25 dB

3<sup>rd</sup> Order Intercept (Typ): 34 dBm

Power Supply:

Input Voltage: 11.5 to 15 VDC

Current @ 12 VDC (typ): 600 mA

Current @ 12 VDC (max): 800 mA

Case Type (See attached Outline): PCEL6

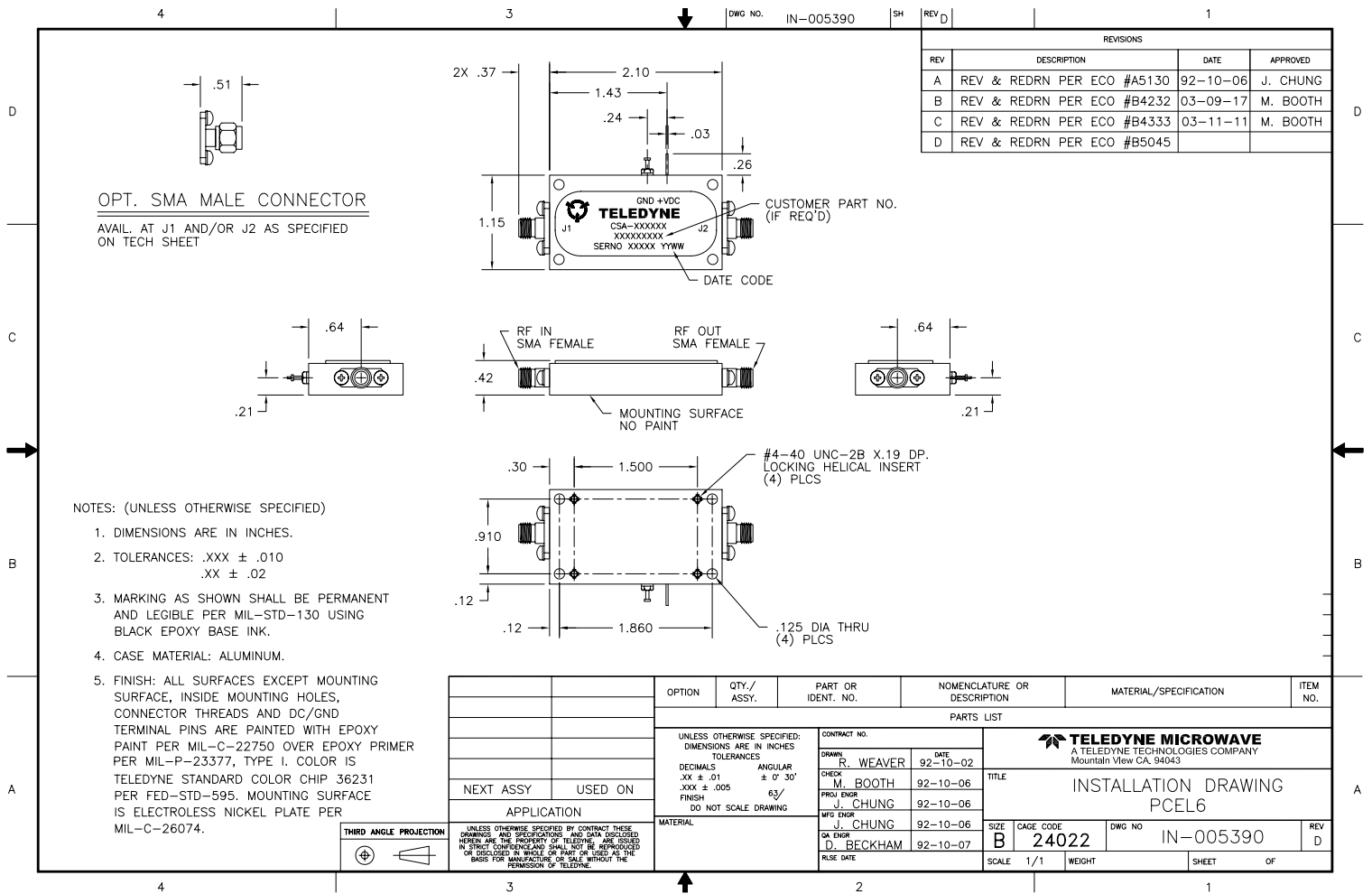
Temperature Range: +25C



ISO 9001:2000

1274 Terra Bella Avenue, Mountain View, CA 94043 • PHN# 800.832.6869 or +1.650.962.6944 • FAX# 650.962.6845  
www.teledynemicrowave.com • microwave@teledyne.com

# Power Amplifier 2 GHz - 8 GHz



ISO 9001:2000

1274 Terra Bella Avenue, Mountain View, CA 94043 • PHN# 800.832.6869 or +1.650.962.6944 • FAX# 650.962.6845  
www.teledynemicrowave.com • microwave@teledyne.com