

CPA-8-2024

# Power Amplifier

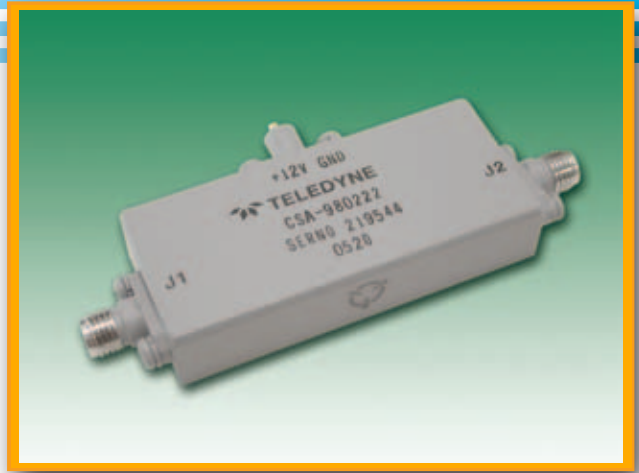
## 2 GHz - 8 GHz

This Power Amplifier offers exceptional performance over the band 2 GHz to 8 GHz with 30 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



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### Specifications:

Model Number: CPA-8-2024

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: 30 dBm

Gain Flatness Vs Frequency: +/-1.5 dB

3<sup>rd</sup> Order Intercept (Typ): 36 dBm

Power Supply:

Input Voltage: 11.5 to 15 VDC

Current @ 12 VDC (typ): 2000 mA

Current @ 12 VDC (max): 2300 mA

Case Type (See attached Outline): HPX8

Temperature Range: +25C



**TELEDYNE  
MICROWAVE**

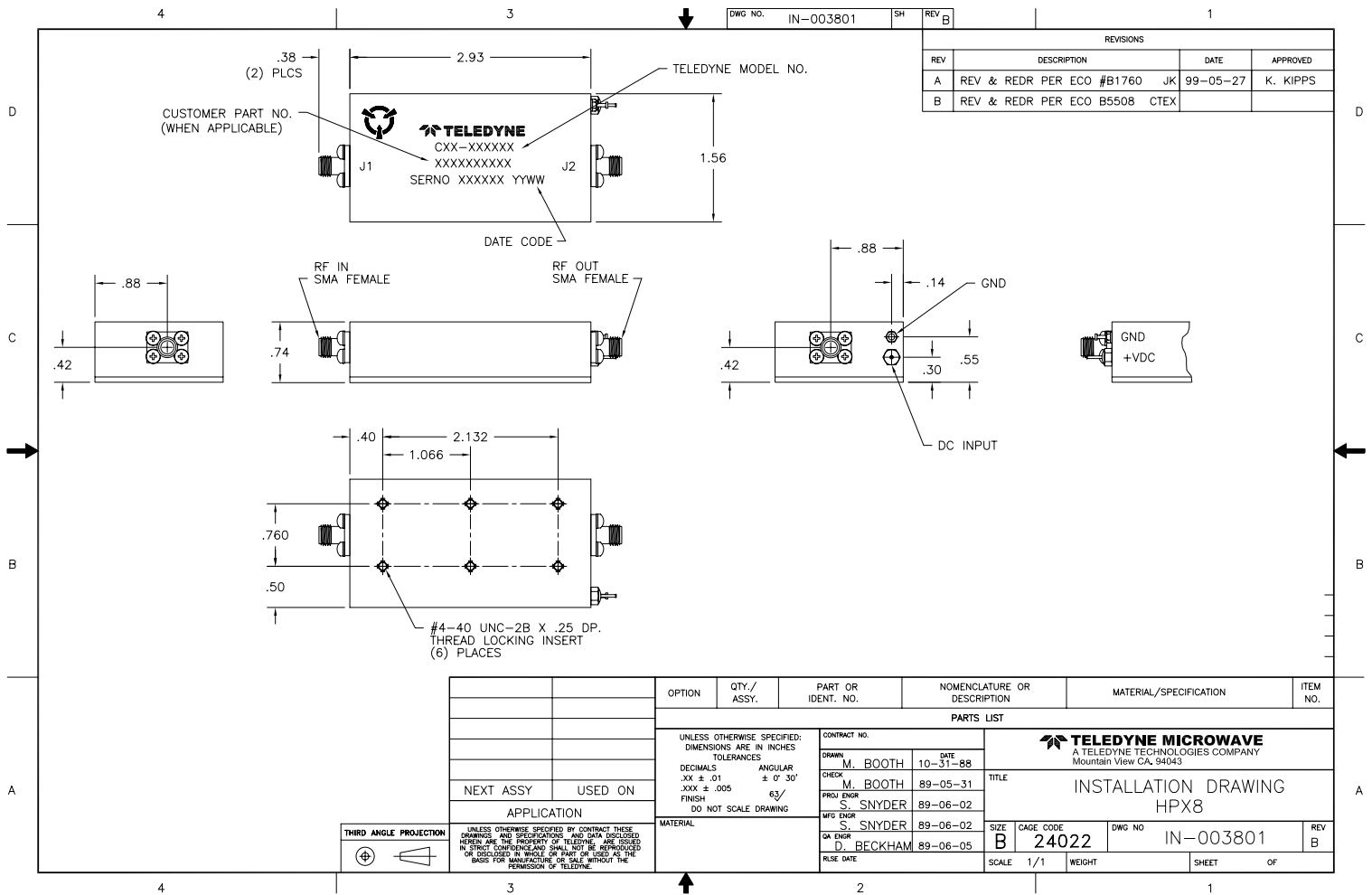
ISO 9001:2000

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All Specifications are subject to change. Please contact Teledyne Microwave for the latest information on this product

08/05