

CPT-8-2027

# Temperature Compensated 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 52 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: CPT-8-2027  
Frequency Range: 2 GHz – 8 GHz  
Gain (min): 52 dB  
Gain Vs Temp at any Frequency:  $\pm 1.75$  dB  
Noise Figure (max): 6.5 dB  
Output Power @ 1dB Compression: 30 dBm  
Gain Flatness Vs Frequency:  $\pm 2$  dB  
3<sup>rd</sup> Order Intercept (Typ): 36 dBm  
Power Supply:  
    Input Voltage: 11.5 to 15 VDC  
    Current @ 12 VDC (typ): 2300 mA  
    Current @ 12 VDC (max): 2600 mA  
Case Type (See attached Outline): HPX8  
Temperature Range: -54 to +90C



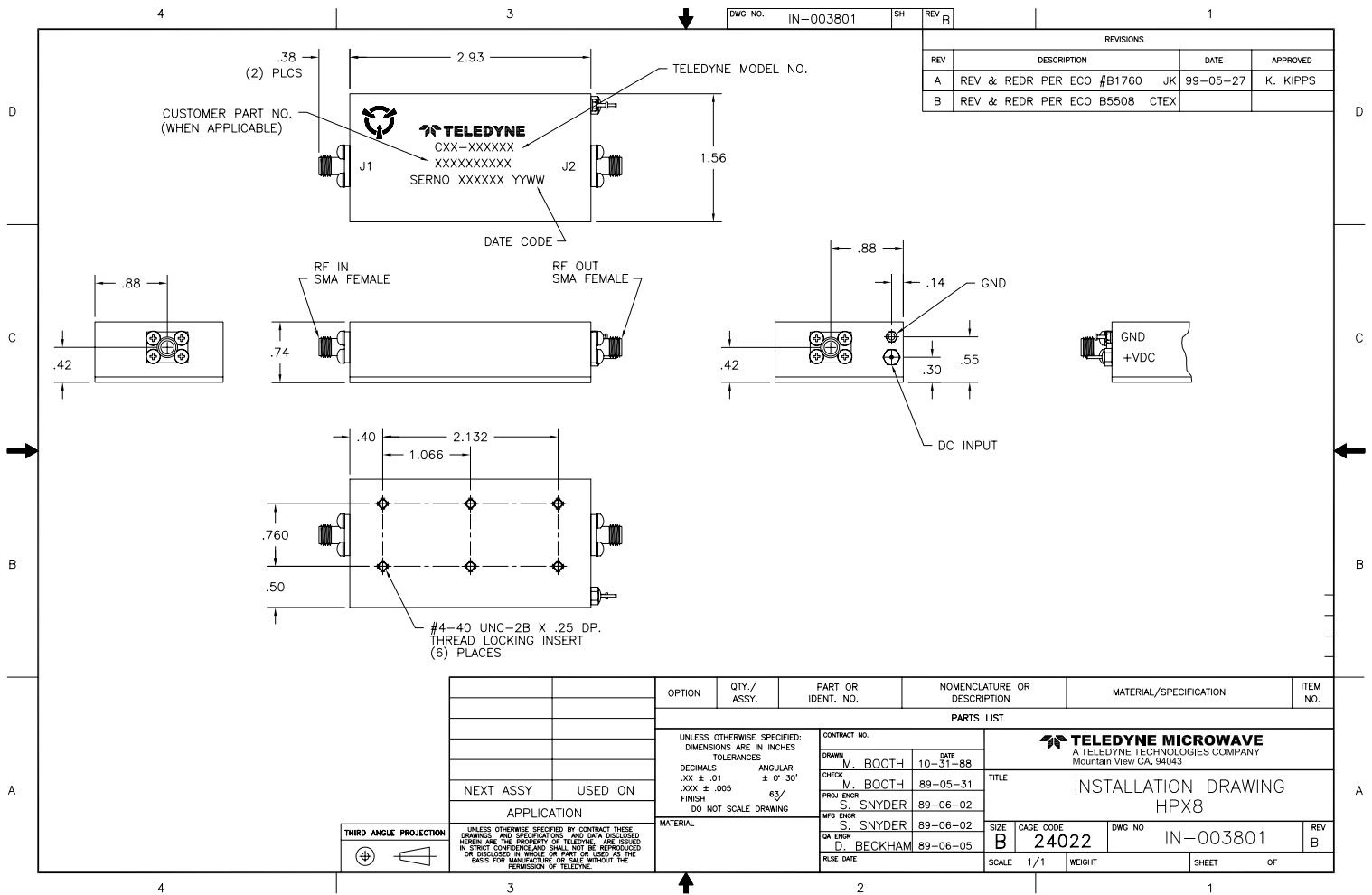
ISO 9001:2000

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