

**CPT-18-6008**

# Temperature Compensated Amplifier

## 6 GHz - 18 GHz

This Amplifier offers exceptional performance over the band 6 GHz to 18 GHz with 20 dBm P1dB output power and 40 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-18-6008  
Frequency Range: 6 GHz – 18 GHz  
Gain (min): 40 dB  
Gain Vs Temp at any Frequency:  $\pm 2.25$  dB  
Noise Figure (max): 8 dB  
Output Power @ 1dB Compression: 20 dBm  
Gain Flatness Vs Frequency:  $\pm 2.5$  dB  
3<sup>rd</sup> Order Intercept (Typ): 28 dBm  
Power Supply:  
    Input Voltage: 11.5 to 15 VDC  
    Current @ 12 VDC (typ): 630 mA  
    Current @ 12 VDC (max): 725 mA  
Case Type (See attached Outline): SX10  
Temperature Range: -54 to +90C



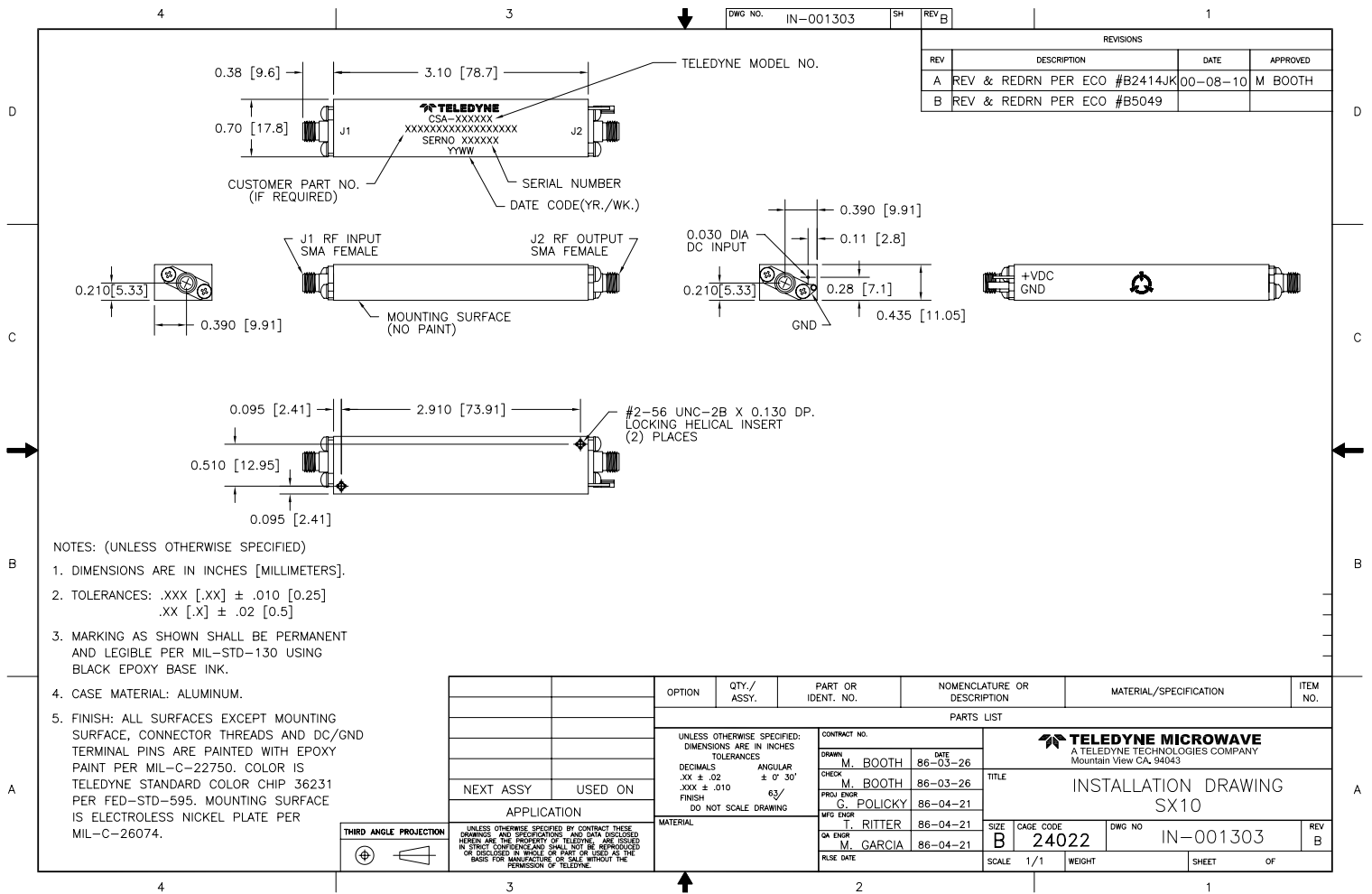
ISO 9001:2000

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