

**CPT-18-8005**

# Temperature Compensated Amplifier

## 8 GHz - 18 GHz

This Amplifier offers exceptional performance over the band 8 GHz to 18 GHz with 20 dBm P1dB output power and 24 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: CPT-18-8005  
Frequency Range: 8 GHz - 18 GHz  
Gain (min): 24 dB  
Gain Vs Temp at any Frequency: +/-1.5 dB  
Noise Figure (max): 8.5 dB  
Output Power @ 1dB Compression: 20 dBm  
Gain Flatness Vs Frequency: +/-2 dB  
3<sup>rd</sup> Order Intercept (Typ): 28 dBm  
Power Supply:  
    Input Voltage: 11.5 to 15 VDC  
    Current @ 12 VDC (typ): 470 mA  
    Current @ 12 VDC (max): 540 mA  
Case Type (See attached Outline): SX6  
Temperature Range: -54 to +90C



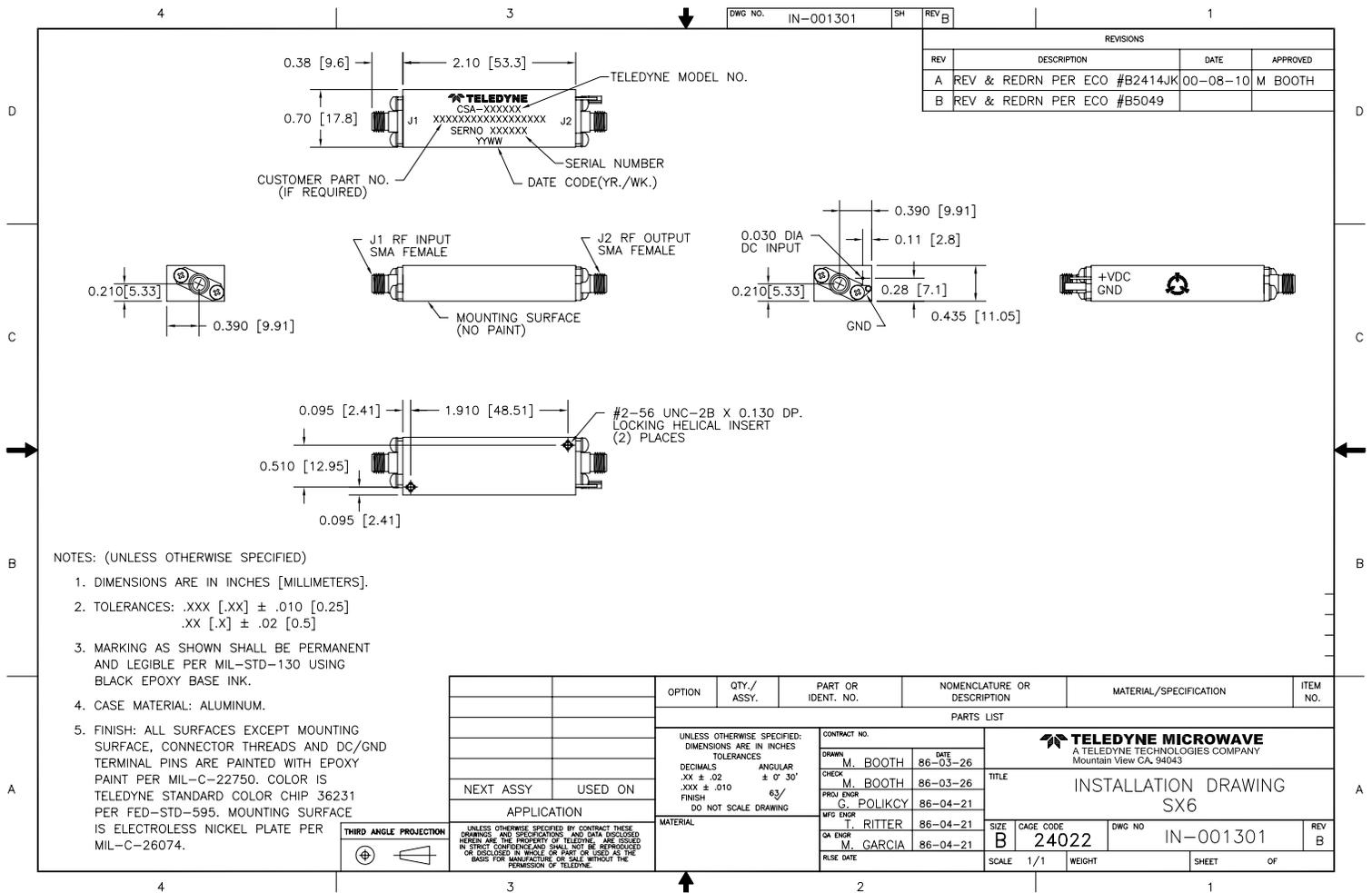
ISO 9001:2000

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

CPT-18-8005

# Temperature Compensated Amplifier

## 8 GHz - 18 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