

**TMT-4-2002**

# Temperature Compensated Low Noise Amplifier

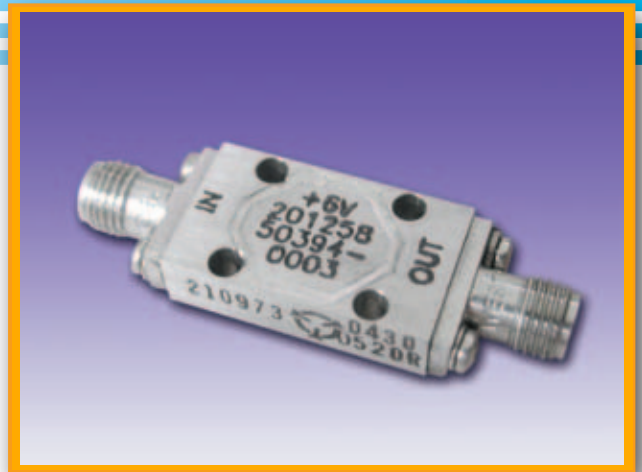
## 2 GHz - 4 GHz

This Low Noise Amplifier offers low Noise figure performance of 3.5 dB over the band 2 GHz to 4 GHz with 20 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: TMT-4-2002  
Frequency Range: 2 GHz – 4 GHz  
Gain (min): 20 dB  
Gain Vs Temp at any Frequency:  $\pm 0.75$  dB  
Noise Figure (max): 3.5 dB  
Output Power @ 1dB Compression: 18 dBm  
Gain Flatness Vs Frequency:  $\pm 1.0$  dB  
3<sup>rd</sup> Order Intercept (Typ): 27 dBm  
Power Supply:  
    Input Voltage: 11.5 to 15 VDC  
    Current @ 12 VDC (typ): 180 mA  
    Current @ 12 VDC (max): 210 mA  
Case Type (See attached Outline): SC4  
Temperature Range: -54 to +90C



**TELEDYNE  
MICROWAVE**

**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](http://www.teledynemicrowave.com) • [microwave@teledyne.com](mailto:microwave@teledyne.com)

# Temperature Compensated Low Noise Amplifier

## 2 GHz - 4 GHz



## ISO 9001:2000

08/05