

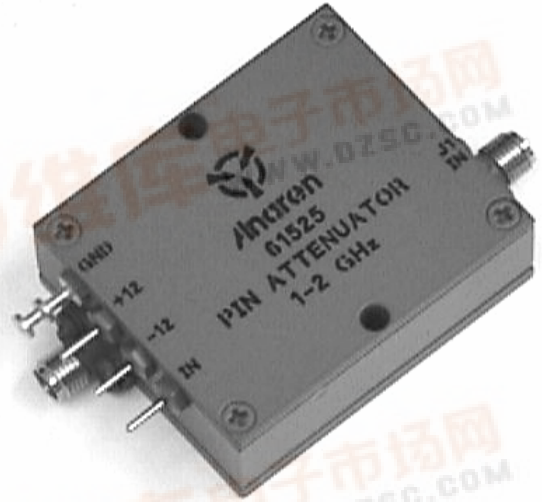
### Attenuators PIN Diode

#### Applications

- Load Sensing Devices
- Precision Attenuation Controllers
- Instrumentation

#### Features

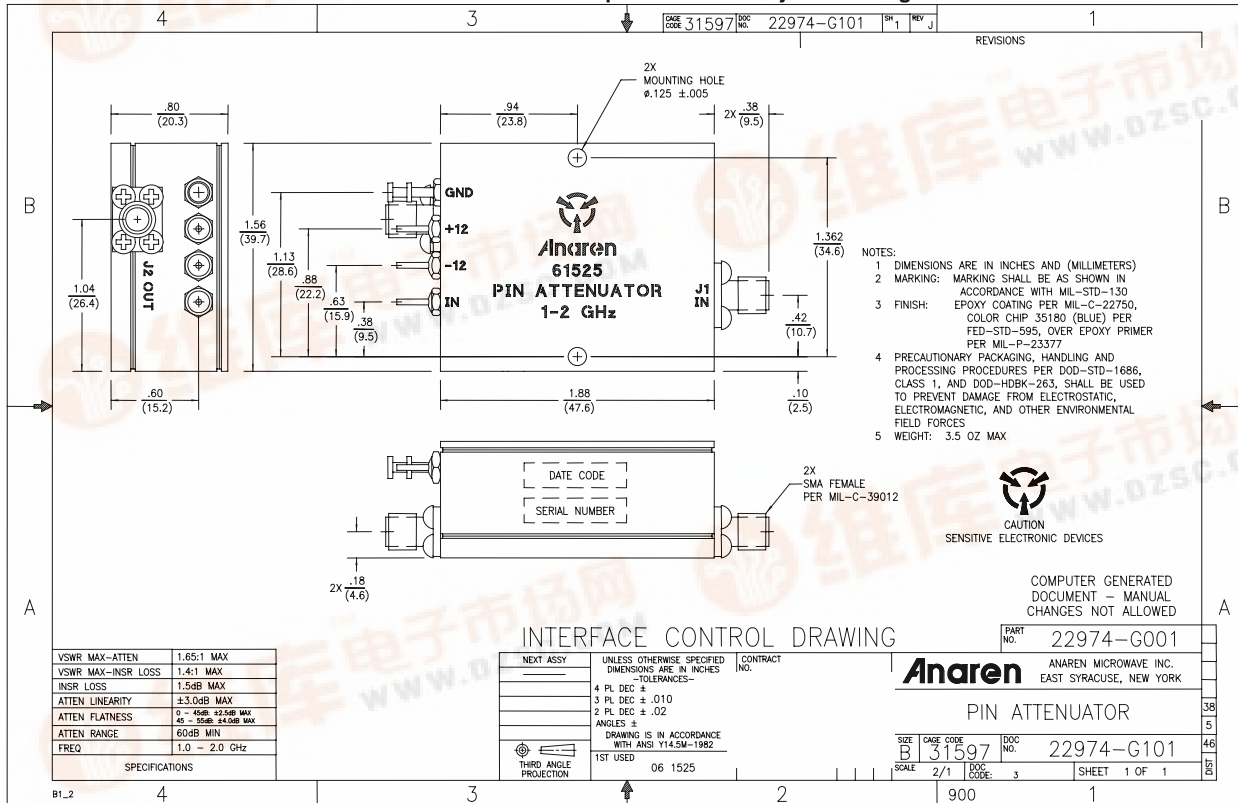
- Military Grade
- 1.0 – 2.0 GHz
- Low VSWR
- Flat Response
- Supply Voltages: +12V @ 120mA, -12V @ 40mA
- Control Voltage 0 to 10 volts (6dB/Volt) Typical
- Connectors Per MIL-C-39012
- Meets MIL-E-5400 Class 3 Requirements



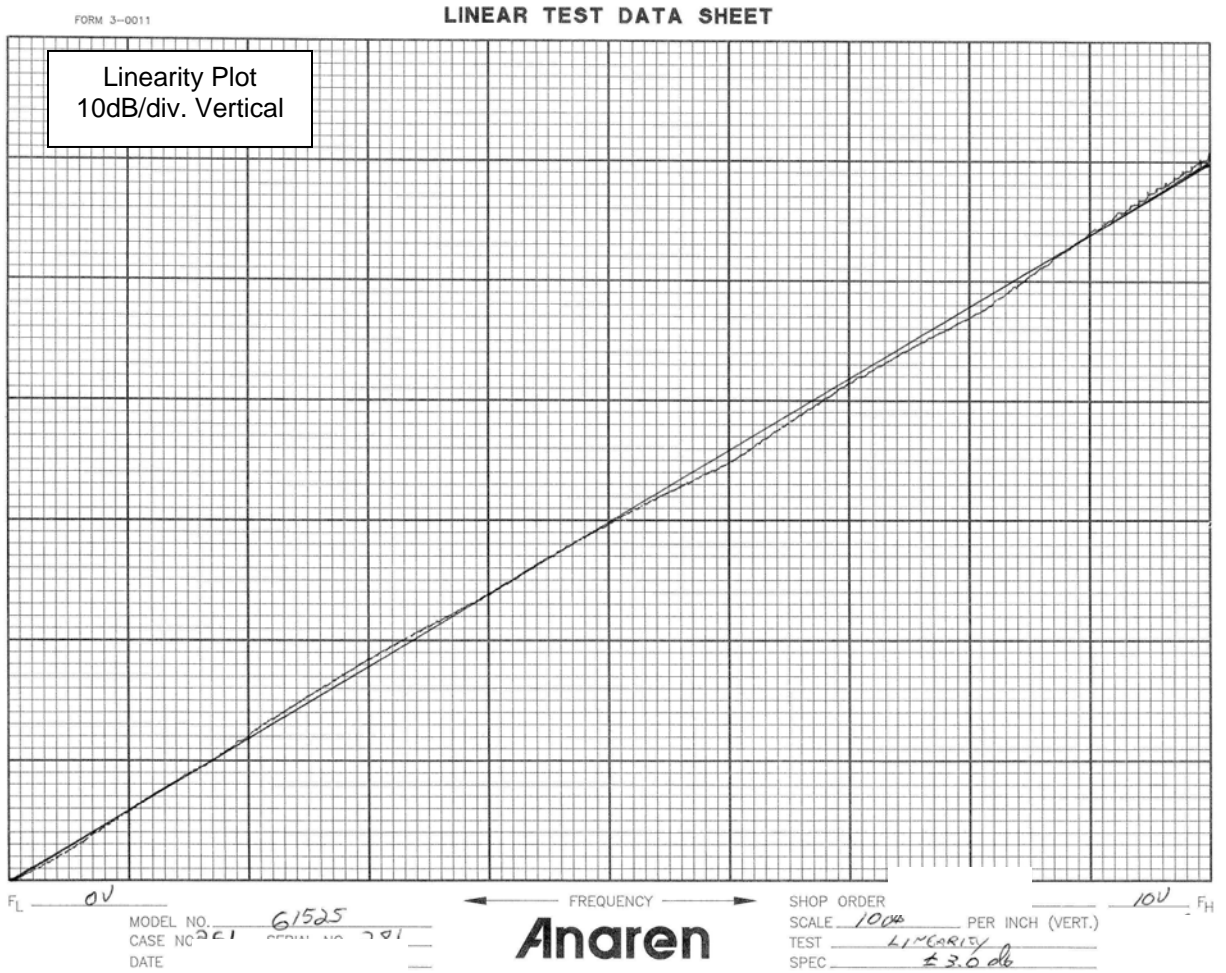
**NOTES:** Model has 10,000 ohm drive impedance and 100 kHz drive bandwidth. Flatness Specified to 45 dB, add +/- 1.5dB to 60 dB.

**Electrical and Mechanical Specifications subject to change without notice**

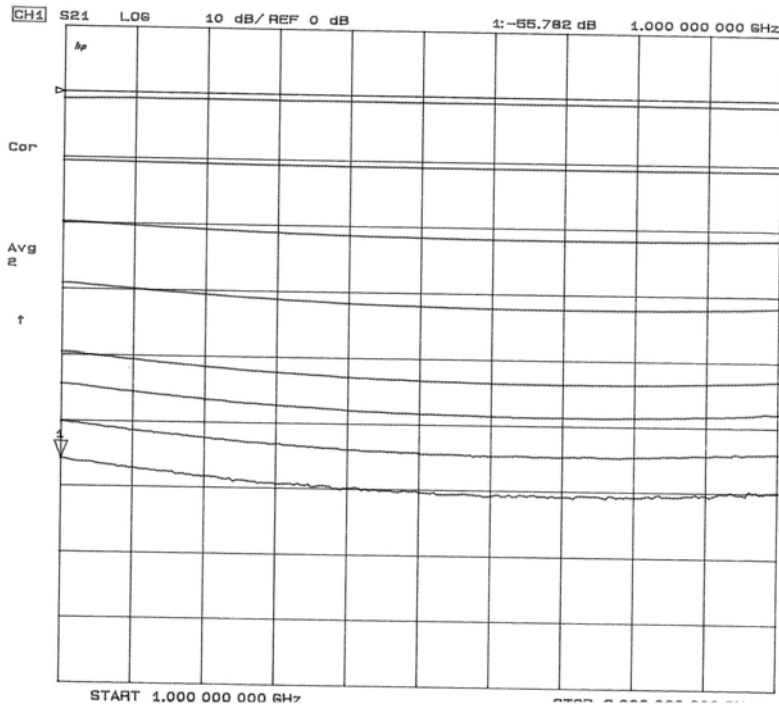
#### Outline Drawing



Typical Test Data Plots

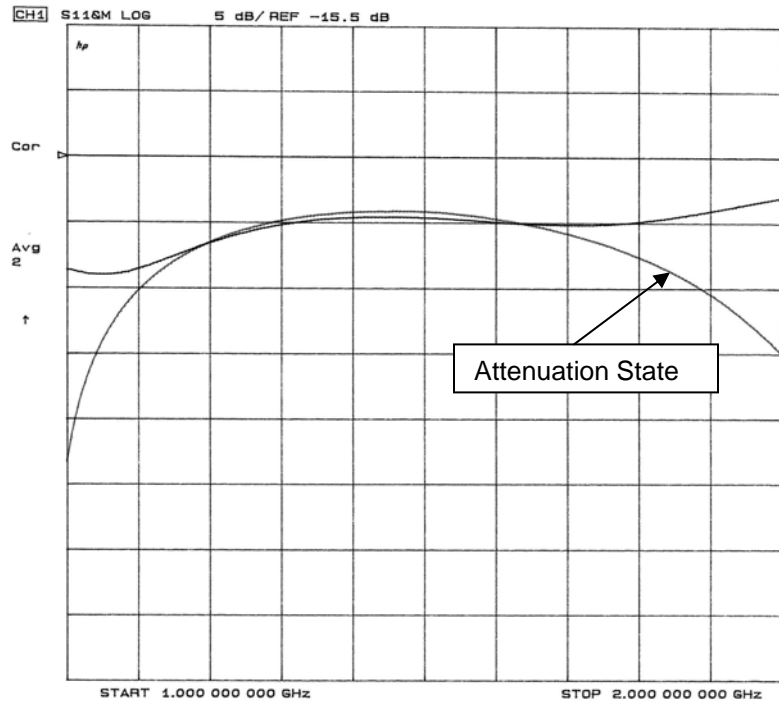


### Typical Test Data Plots



CH1 Markers  
 mean: -59.629 dB  
 s.dev: 1.4120 dB  
 p-p: 5.4080 dB

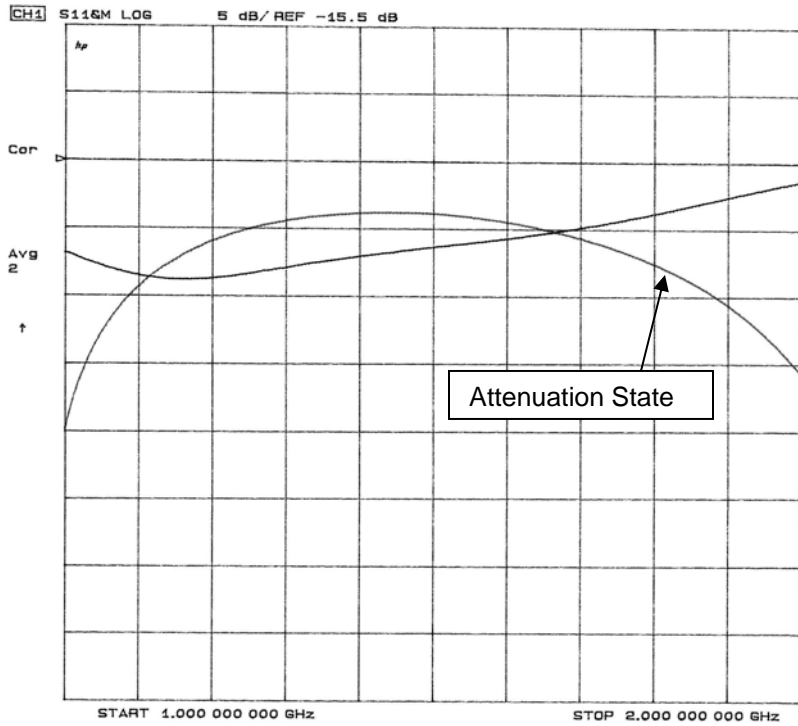
Attenuator Flatness  
 0dB to 45dB: +/- 2.5dB Max  
 45dB to 55dB: +/- 4.0dB Max



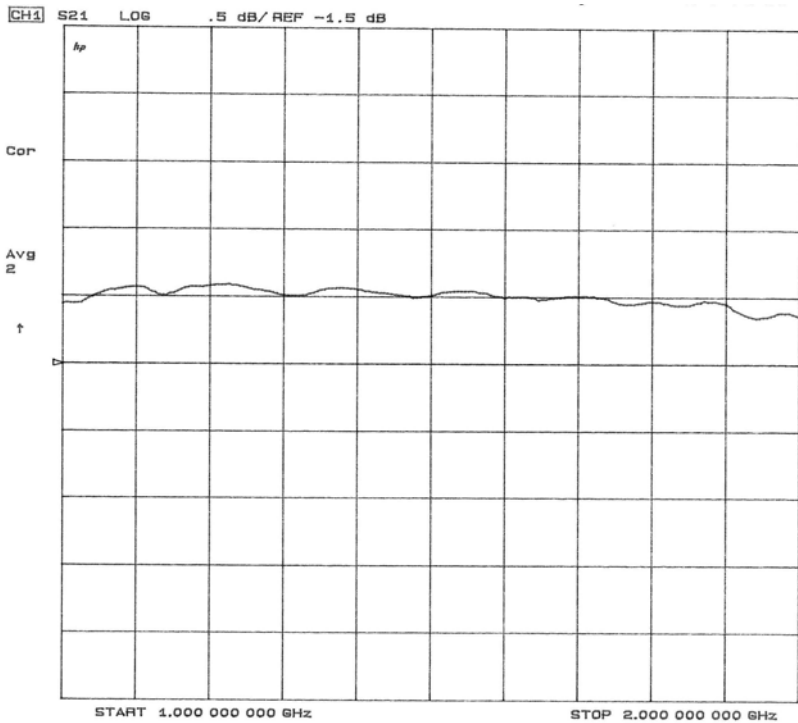
Attenuation State

Input VSWR  
 1.65:1 Attenuation State  
 1.40:1 Ins. Loss State

Typical Test Data Plots



Output VSWR  
 1.65:1 Attenuation State  
 1.40:1 Ins. Loss State



Insertion Loss  
 1.5 dB Max.