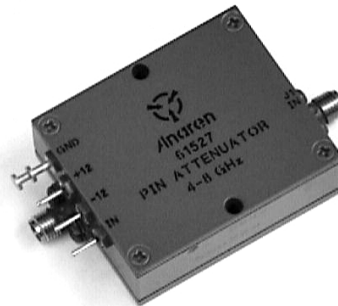


Attenuators PIN Diode

Applications

- Load Sensing Devices
- Precision Attenuation Controllers
- Instrumentation



Features

- Military Grade
- Low VSWR
- Flat Response
- Connectors Per MIL-C39012

Electrical Specifications

Model Number	Frequency	Dynamic Range	Insert. Loss
<i>Linearized¹ Current Control</i>	<i>dB Min/Typ</i>	<i>dB Max</i>	<i>Max : 1</i>
6 1527 6 1537	4.0-8.0	60	2.2
Flatness³	Linearity⁴	Speed	VSWR
<i>dB Max</i>	<i>dB Max</i>	<i>nanosec.</i>	<i>In. Loss/Atten :1</i>
±2.5	±3	650	1.8/1.9

Note: Impedance: 50 ohms nominal

Meets MIL-E-5400 Class 3 Requirements

Additional screening available for military and space applications¹

Electrical and Mechanical Specifications subject to change without notice.

¹ Linearized models have 10,000 ohm drive impedance and 100 KHz drive bandwidth.

³ Specified to 45 dB, add ±1.5 dB to 60 dB.

⁴ Linearized models only.

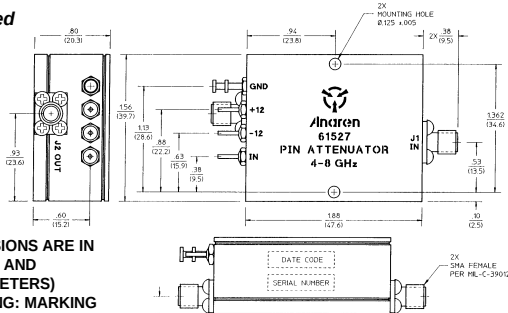
Power handling: 0.4 W @ 2 GHz

Supply Voltages: +12v @ 120 mA and -12v @ 40 ma Max.

Control Voltage: 0 to 10 volts (6dB/Volt) Typical

Outline Drawing

Linearized



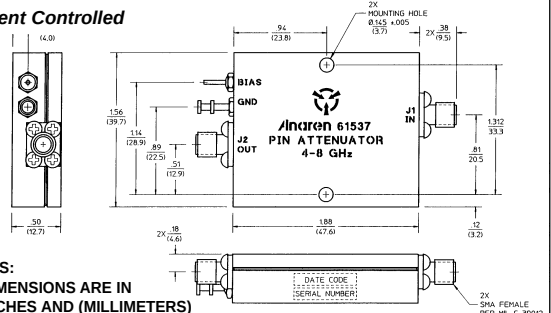
NOTES:

- 1 DIMENSIONS ARE IN INCHES AND (MILLIMETERS)
- 2 MARKING: MARKING SHALL BE IN ACCORDANCE WITH ML-STD-130
- 3 FINISH: EPOXY COATING PER ML-C-22750 COLOR CHIP 35180 (BLUE) PER FED-STD-595. OVER EPOXY PRIMER PER ML-P-23377
- 4 PRECAUTIONARY PACKAGING, HANDLING AND PROCESSING PROCEDURES PER DOD-HOBK-263. SHALL BE USED TO PREVENT DAMAGE FROM ELECTROSTATIC, ELECTROMAGNETIC, AND OTHER ENVIRONMENTAL FIELD FORCES.



CAUTION
SENSITIVE ELECTRONIC DEVICES

Current Controlled



NOTES:

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- 5 WEIGHT: 2.8 OZ MAX