

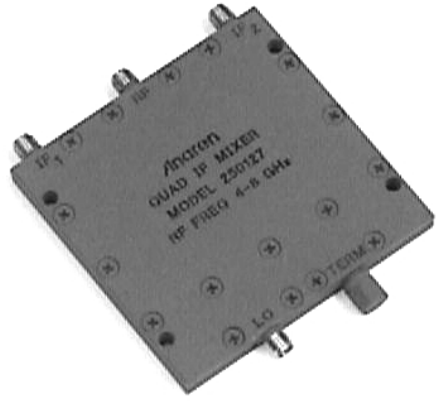
Model 250127



Mixers Quadrature IF

Applications

- PSK Demodulators
- Quadrature Phase Detectors
- Doppler Systems/Radar Altimeters
- Image Rejection Mixers
- Error Sensors in Adaptive Systems



Features

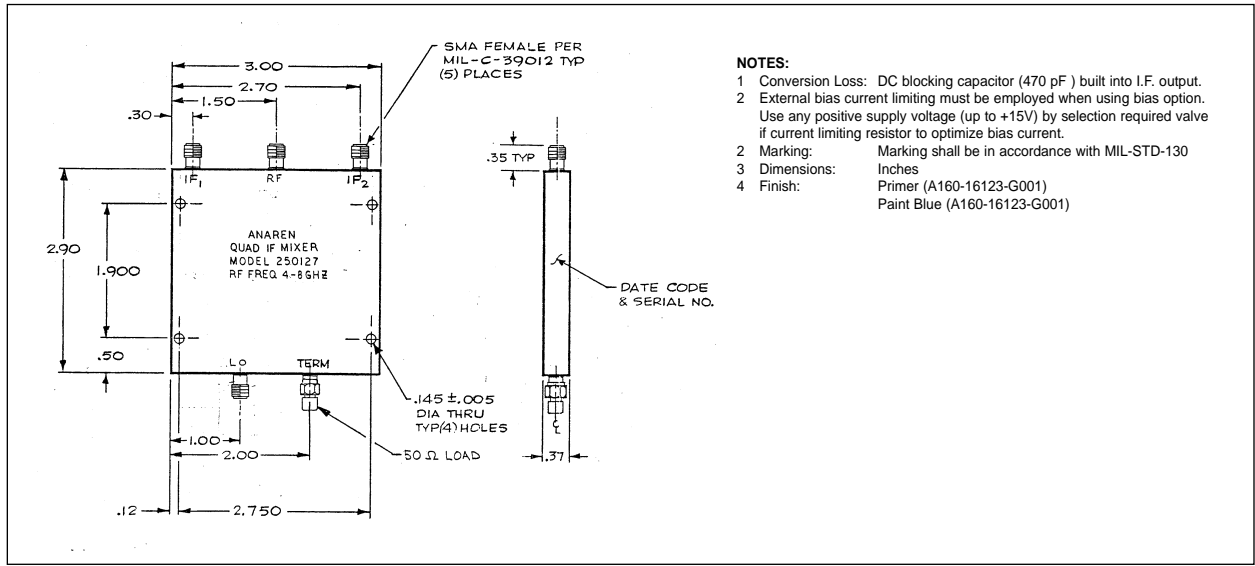
- Military Grade
- Good Phase/Amp Balance
- Good LO/RF Isolation
- Good LO/RF VSWR
- Connectors Per MIL-C-39012

Electrical Specifications

Frequency GHz	Isolation LO-RF dB Min/Typ	Convers. Loss dB Max/Typ	RF VSWR Max/Typ : 1
4.0-8.0	19/25	12/10	2.00/1.67
LO VSWR Max/Typ : 1	IF Freq.* MHz	IF Amp. Bal. dB	IF Ø Bal. degrees
1.80/1.50	DC-400	±1.2	±10

Notes: Impedance: 50 ohms nominal. Meets MIL-E-5400 Class 3 requirements. Additional screening available for military and space applications. Upper IF frequency is the -3 dB response point. LO Power is +10 dB nominal. **Electrical and Mechanical Specifications subject to change without notice.**

Outline Drawing



- NOTES:**
- 1 Conversion Loss: DC blocking capacitor (470 pF) built into I.F. output.
 - 2 External bias current limiting must be employed when using bias option. Use any positive supply voltage (up to +15V) by selection required valve if current limiting resistor to optimize bias current.
 - 2 Marking: Marking shall be in accordance with MIL-STD-130
 - 3 Dimensions: Inches
 - 4 Finish: Primer (A160-16123-G001)
Paint Blue (A160-16123-G001)



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