Model 73127

Mixers

Double Balanced

Applications

- Wideband Down Converters
- Wideband Up Converters
- Balanced Modulators
- Bi-Phase Modulators
- Phase Detectors

Features

- Extremely Wide IF Bandwidth
- Good LO/RF Isolation
- Multi-Octave Performance
- Good Intercept Point
- Miniature Size
- Connectors Per MIL-C-39012

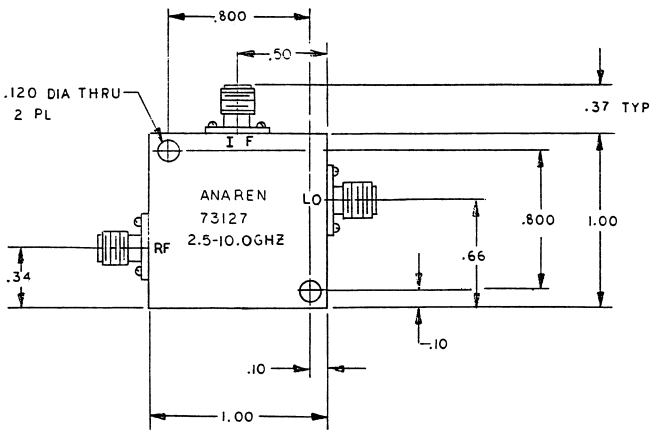
Electrical Specifications

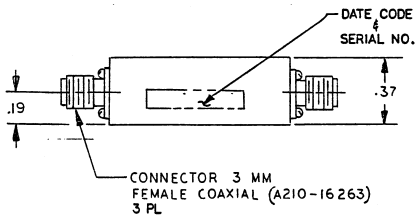
Frequency *GHz*	Isolation LO-RF *dB Min/Typ*	Convers. Loss *dB Max/Typ*	VSWR, RF *Typ : 1*
2.5 - 10.0	18/23	8.5/7.0	2.5

IF Freq.[1] *MHz*	RF Power[2] *Input dBm*	LO Power *dBm Nominal*
DC-1800	+4	+12

Notes: Impedance: 50 ohms nominal. Meets MIL-E-5400 Class 3 requirements. Additional screening available for military and space applications. 1) Upper IF frequency is the -3 dB response point. 2) At 1dB Compression point **Electrical and Mechanical Specifications subject to change without notice.**

Outline Drawing





NOTES:

1 Power (Bias terminal grounded)
2 Conversion loss measured at 60 MHz
DC blocking capacitor (470 pF) built into I.F. output
3 External bias current limitation must be employed when using bias option. Use any positive supply voltage (up to +15V) by selecting required valve of current limiting resistor to optimize bias current.
4 Finish: Epoxy Primer (A160-16123-G001)
Blue Epoxy Paint (A160-16221-G001)
5 Marking: Marking shall be in accordance with MIL-STD-130
6 Dimensions: Inches

Sales Desk USA: Voice: **(800) 544-2414** Fax: **(315) 432-9121**
Sales Desk Europe: Voice: **(+44) 23 92 232392** Fax: **(+44) 23 92 251369**

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