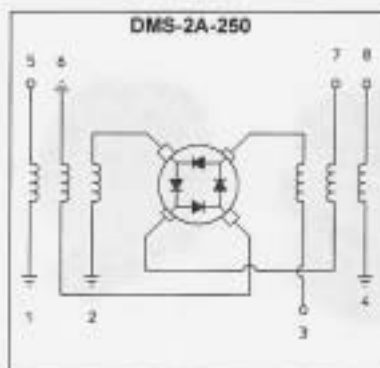
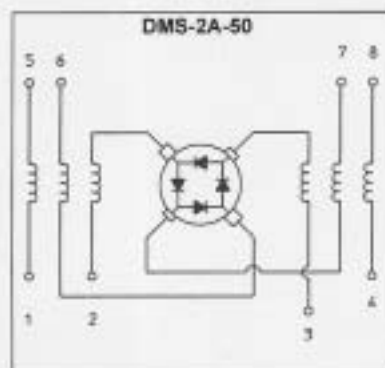


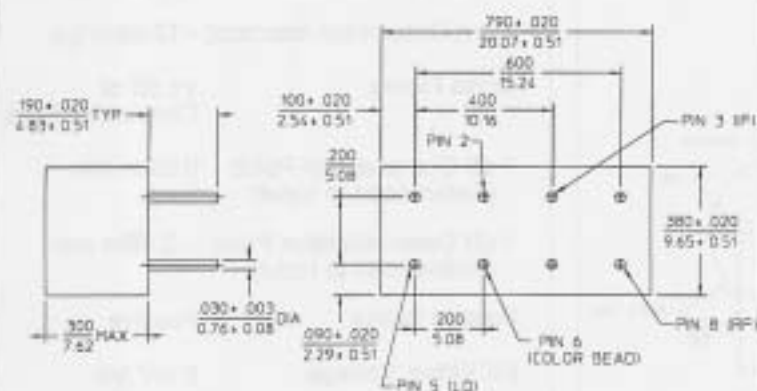


1.34

PRINCIPAL SPECIFICATIONS

Model Number	RF/LO Freq., MHz	IF Freq., MHz	Conversion Loss, dB, Max. MHz	Isolation, dB, L - R Ports Min. MHz	Isolation, dB, L - X Ports Min. MHz	Isolation, dB, R - X Ports Min. MHz
DMS-2-50	.02 - 100	DC - 100	7.5 .02 - .10 6.5 .10 - 100	45 .02 - 100 45 .02 - 100	45 .02 - 25 35 25 - 100	30 .02 - 10 20 10 - 100
DMS-2-250	1 - 500	DC - 500	7.0 1 - 400 8.0 400 - 500	40 1 - 100 30 100 - 500	35 1 - 100 25 100 - 500	30 1 - 25 20 25 - 500

All specifications are as measured in a 50Ω system, at nominal LO Power, in a down converter application.

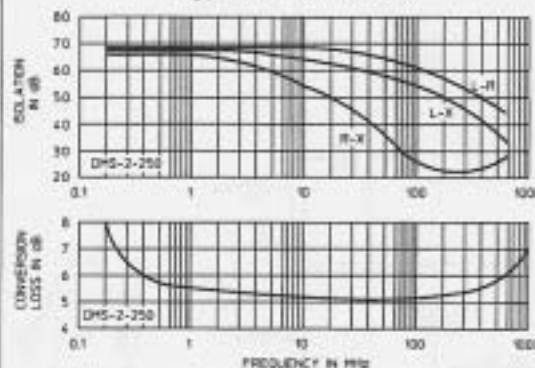
Package Outline

- NOTES:
1. Tolerance on 3 place decimals $\pm 0.10 (.25)$ except as noted.
 2. Dimensions in inches over millimeters.
 3. Pins 3 & 7 must be externally connected to form IF Port.
 4. Pins 1, 2, 4 & 6 must be externally grounded.

General Notes:

The DMS-2 series of Double Balanced Mixers covers the frequency range of 20 kHz to 500 MHz using a four diode ring modulator configuration for general purpose applications emphasizing low cost and minimum size.

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Typical of DMS-2 Series**GENERAL SPECIFICATIONS**

- Impedance: 50 Ω nom.
 Third Order Input Int: +12 dBm typ.
 Noise Figure: Within ± 1 dB of Conversion Loss
 Maximum Input Power: 300 mW @ 25°C
 (derate linearly to 0 mW @ 125°C)
 LO Drive: +7 dBm nom.
 1 dB Compress. Point: 0 dBm typ. (ref Input)
 1 dB Desens. Level: -2 dBm typ. (ref Input)
 DC Offset Voltage: 2 mV typ.
 DC Polarity: Positive
 Weight, nominal: 0.25 oz (9 g)
 Operating Temperature: -55° to +85°C