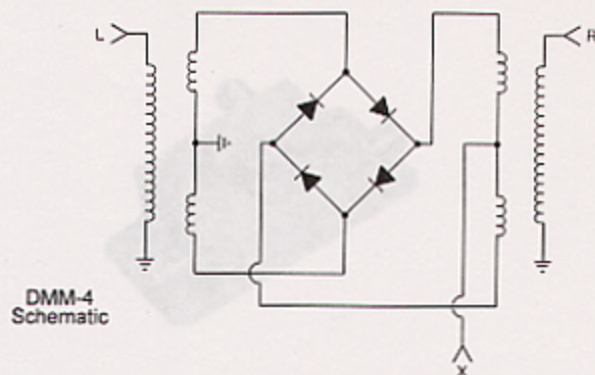


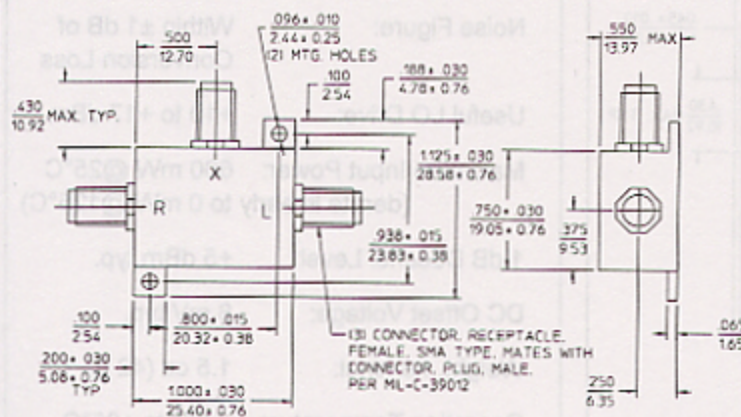
1.32

PRINCIPAL SPECIFICATIONS

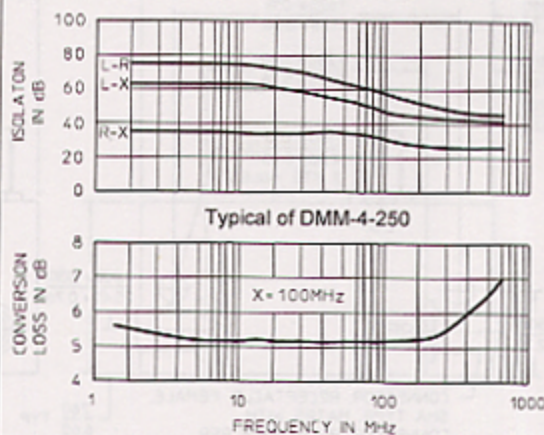
Model Number	RF/LO Frequency, MHz	LO Drive, dBm, Nom.	IF, MHz	Operating Range, MHz	Conversion Loss, dB, Max. Typ.	Port Isolation, Min. L-R L-X R-X dB	1 dB Compr. Point	Input Intercept Point	1 dB Desens. Level
DMM-4-250	5 - 500	+13	DC-500	5-100	9.0 5.5	40 25 20	+8	+19	+6
				100 - 400	8.0 6.5	30 15 15	dBm	dBm	dBm
				400-500	9.0 7.5	30 15 15	(typ.)	(typ.)	(typ.)
DMM-12-500	10-1000	+24	DC-500	10-100	7.0 6.0	45 35 —	+16	+28	+14
				100-500	7.0 6.5	25 25 —	dBm	dBm	dBm
				500-1000	9.5 8.5	20 15 —	(typ.)	(typ.)	(typ.)

All specifications are as measured in a 50Ω system, at nominal LO power, in a downconverter application

Package Outline



NOTES: 1. Tolerance on 3 place decimals $\pm .020$ (.51) except as noted.
2. Dimensions in inches over millimeters.



GENERAL SPECIFICATIONS

Impedance:	50 Ω nom.
Useful LO Drive:	± 3 dB of nominal
SSB Noise Figure:	Within ± 1 dB of Conversion Loss
DC Offset Voltage:	5 mV typ.
DC Polarity:	Positive
Weight, nominal:	0.65 oz (18 g)
Operating Temperature:	-55° to +85°C

General Notes:

The DMM-4-250 and DMM-12-500 Double Balanced Mixers cover the frequency range of 5 to 1000 MHz. The DMM-4-250 uses four high barrier diodes in the ring modulator to yield a mixer with high third order intercept. The DMM-12-500 mixer uses twelve high barrier diodes to achieve similarly high performance.

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