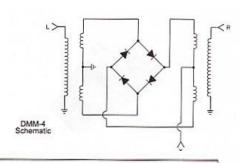
DMM-4-250 & DMM-12-500 – DOUBLE BALANCED MIXERS

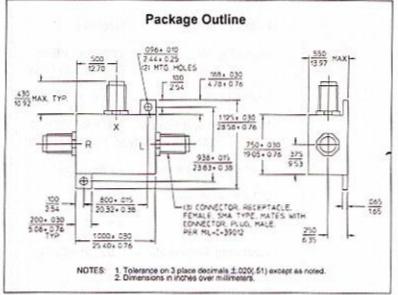
TECHNICAL FEATURE

FEATURES

- 5 to 1000 MHz
- +13 to +24 dBm LO
- SMA Connectors

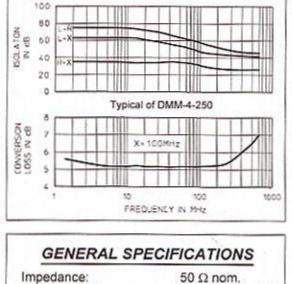


Model Number				PRINCIPAL SPECIFICATIONS								
	RF/LO I Frequency, MHz	O Drive dBm, Nom.	e, IF, MHz	Operating Range, MHz		ersion , dB, Typ.	L-R	solation, L-X dB	Min. R-X dB	1 dB Compr. Point	Input Intercept Point	1 dB Desens Level
DMM-4-250	5 - 500	+13	DC-500	5-100	9.0	5.5	40	25	20	+8	+19	+6
				100 - 400	8.0	6.5	30	15	15	dBm	dBm	dBm
				400-500	9.0	7.5	30	15	15	(typ.)	(typ.)	(typ.)
DMM-12-50	0 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.)



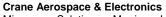
General Notes:

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.



Useful LO Drive: ±3 d SSB Noise Figure: With Com DC Offset Voltage: 5 m DC Polarity: Posi Weight, nominal: 0.65 Operating Temperature: -55

±3 dB of nominal Within ±1 dB of Conversion Loss 5 mV typ. Positive 0.65 oz (18 g) - 55° to +85°C



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DMM_4_500.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2013 Crane Electronics, Inc. All rights reserved.

