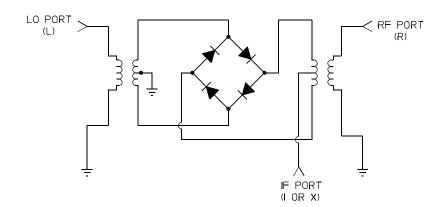
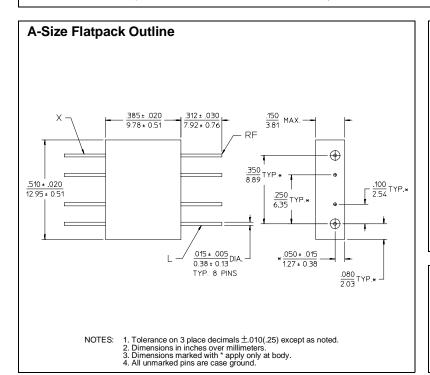
500 kHz to 2 GHz/+ 10 to + 17 dBmLO/ Hi-Rel Hermetic Flatpack





Model Number	RF/LO Frequency, MHz	IF Frequency, MHz	Operating Range, MHz	Conversion		Port Isolation, Min.			
				Loss, Max.	dB, Typ.	L-R dB	L-X dB	R-X dB	Polarity Sense
DMF-4A-250	0.5 - 500	DC - 500	0.5 - 1	8.0	7.0	40	30	23	Pos.
			1 - 300	7.0	6.0	40	30	23	
			300 - 500	8.0	7.0	35	20	20	
DMF-4A-500	10 - 1000	DC - 1000	10 - 50	7.5	6.5	35	30	25	Pos.
			50 - 500	7.5	6.5	30	25	20	
			500 -1000	8.5	7.5	25	15	15	
DMF-4A-700	10 - 1500	DC - 1000	10 - 600	8.0	7.0	30	20	15	Neg.
			600-1000	8.0	7.0	20	12	15	
			1000 -1500	9.5	8.5	20	12	8	
DMF-4A-1700	500 - 2000	DC - 1000	500 - 2000	8.0	6.0	25	20	15	Neg.



GENERAL SPECIFICATIONS

 $\begin{array}{lll} \mbox{LO Drive:} & +13 \mbox{ dBm nom.} \\ \mbox{Impedance:} & 50 \mbox{ } \Omega \mbox{ nom.} \\ \mbox{Noise Figure:} & \mbox{Within } \pm 1 \mbox{ dB of} \\ \end{array}$

Conversion Loss

Maximum Input Power: 300 mW @ 25°C

(derate linearly to 0 mW @ 125°C)

1 dB Comp. Point: +8 dBm input, typ.
Input Intercept Point: +19 dBm, typ.
DC Offset Voltage: 5 mV typ.
Weight: 0.1 oz (2.8 g)
Operating Temperature: -55° to +85°C

General Notes:

The DMF-4A series of Double Balanced Mixers covers the frequency range of 0.5 to 2000 MHz using four high-barrier diodes configured for general purpose as well as high performance applications.

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