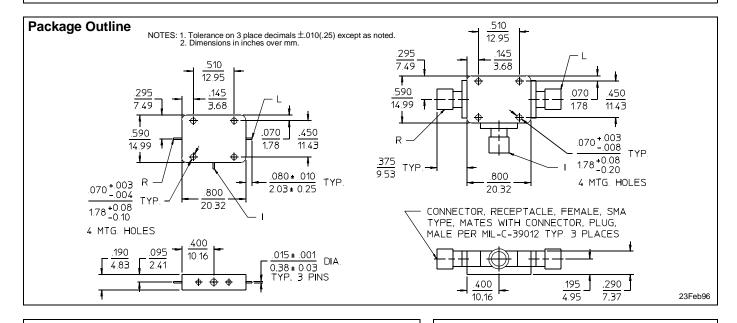
DML-2B-10G

DOUBLE BALANCED MIXER

2 to 18 GHz/+7 to 10 dBmLO/Low Conv. Loss/Wideband IF/Hermetic Pkg with Removable SMA

PRINCIPAL SPECIFICATIONS													
Model Fr Number	RF/LO equency, GHz	LO Drive Range, dBm, Nom.	IF Range, GHz		ersion SSB, dB, Typ.	Isola L-R, Min.	dB,	lsola L-X, Min.	dB,	Isola R-X, Min.	dB,	VSN Ty LO	
DML-2B-10G	2 - 18	+7 to +10	DC - 1 DC - 2	8.5 9.0	5.5 6.5	20	40	18	30	18	30	2.0:1	2.0:1

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



General Notes:

1. The DML-2B-10G Double Balanced Mixer covers the frequency range of 2 to 18 GHz and is optimized for low loss and broad RF/LO bandwidth. The hermetic removable SMA package is used for performance testing and reliability.

2. Merrimac offers a broad selection of Double Balanced Mixers ideal for a variety of signal processing functions from 20 kHz to 20 GHz and for applications from routine to very special.

3. All Merrimac mixers comply with MIL-M-28837 and may be supplied screened for compliance with additional specifications for military and space applications requiring the highest reliability.

GENERAL SPECIFICATIONS

Third Order Input Intercept:	+13 dBm typ.
Noise Figure:	Within ±1 dB of Conversion Loss
1 dB Compression Daint	
1 dB Compression Point: (Referenced to Input)	U ubm min.
1 dB Desensitization Point: (Referenced to Input)	– 2 dBm min.
Polarity Sense:	Positive
DC Offset Voltage:	5 mV typ.
Weight with SMĂ, nom:	0.7 oz (20 g)
Operating Temperature:	– 55° to +85°C

For further information contact MERRIMAC/41 Fairfield PL, West Caldwell, NJ, 07006 / 973-575-1300 / FAX 973-575-0531