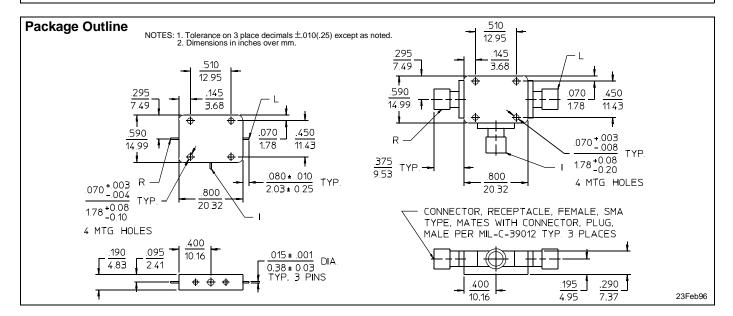
2 to 18 GHz/+7 to 10 dBmLO/Low Conv. Loss/Wideband IF/Hermetic Pkg with Removable SMA



			PRINCIPAL SPECIFICATIONS										
Model Fr Number	RF/LO Frequency, GHz	LO Drive Range, dBm, Nom.	IF Range, GHz		version SSB, dB, Typ.	Isola L-R, Min.	dB,	Isolation, L-X, dB, Min. Typ.		Isolation, R-X, dB, Min. Typ.		VSWR Typ. LO RF	
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 Los

Conversion Loss 0 dBm min.

1 dB Compression Point: (Referenced to Input)

it: – 2 dBm min

dB Desensitization Point: -2 dBm min. (Referenced to Input)

Positive 5 mV typ.

DC Offset Voltage: Weight with SMA, nom: Operating Temperature:

Polarity Sense:

0.7 oz (20 g) - 55° to +85°C