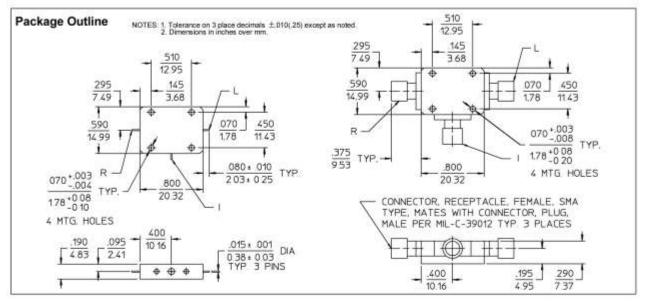
DML-6B-10G - TRIPLE BALANCED MIXER

TECHNICAL FEATURE

FEATURES

- 2 to 18 GHz
- +10 to +13 dBm LO
- Low Conversion Loss
- Wideband IF
- Hermetic Package with Removable SMA

Model Number	RF/LO Frequency, GHz	LO Drive , Range, dBm, Nom.	PRINCIPAL SPECIFICATIONS										
			IF Range, GHz	Conversion Loss, SSB, dB,		Isolation, L-R, dB,		Isolation, L-X, dB,		Isolation, R-X, dB,		VSWR, Typ.	
				Max.	Тур.	Min.	Тур.	Min.	Typ.	Min.	Тур.		RF
DML-6B-10G	2 - 18	+10 to+ 13	0.5 - 8	10.5 9.5	7.5 6.5	20	30	20	30	20	30	2.0:1	2.0:1
	All specifical	tions are as me	asured in a			I LO Po	wer, in a	down co	onverter	applicat	ion.		



General Notes:

 The DML-6B-10G Triple Balanced Mixer covers the frequency range of 2 to 18 GHz and is optimized for wide IF bandwidth, low loss and broad RF/LO bandwidth. The hermetic removable SMA package is used for performance testing and reliability.

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

 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.

Third Order Input Intercept:	+15 dBm typ.
Noise Figure:	Within ±1 dB of
	Conversion Loss
1 dB Compression Point: (Referenced to Input)	+8 dBm typ.
1 dB Desensitization Point: (Referenced to Input)	+7 dBm typ.
Polarity Sense:	Positive
DC Offset Voltage:	5 - 15 mV typ.
Weight with SMA, nom:	0.7 oz (20 g)
Operating Temperature:	- 55° to +85°C

Crane Aerospace & Electronics

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