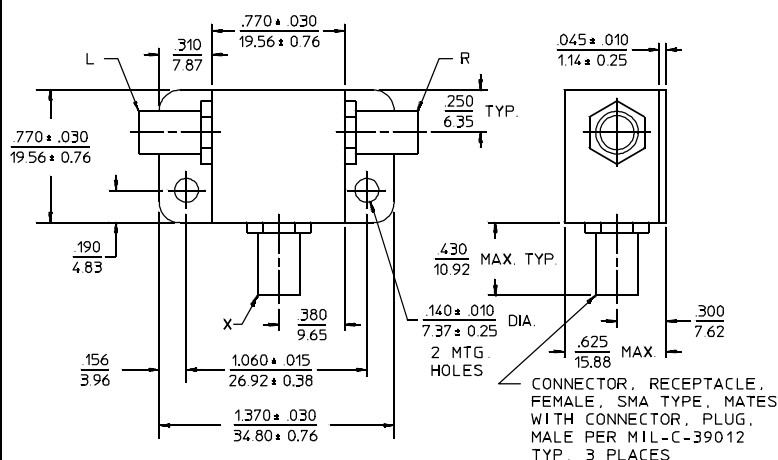


**PRINCIPAL SPECIFICATIONS**

Model Number	RF/LO Frequency, MHz	IF Frequency, MHz	Operating Range, MHz	Conversion Loss, dB,		Port Isolation, Typ.			VSWR Typ.	
				Max.	Typ.	L-R dB	L-X dB	R-X dB	LO	RF
DMM-2C-4000	2500 - 6500	DC - 2500	2500 - 3000	7.0	5.0	35	20	15	1.5:1	1.7:1
			3000 - 4000	7.0	4.5	35	25	13	1.5:1	1.5:1
			4000 - 6500	7.0	4.5	30	25	13	2.5:1	1.4:1

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

Package Outline

NOTES: 1. Tolerance on 3 place decimals $\pm .020(.51)$ except as noted.
2. Dimensions in inches over millimeters.

GENERAL SPECIFICATIONS

Impedance:	50 Ω
LO Drive:	+7 dBm nom.
Input Intercept Point:	+12 dBm typ.
Noise Figure:	± 1 dB of Conversion Loss
1 dB Compression Point:	0 dBm min. (Referenced to Input)
1 dB Desens. Point:	-2 dBm min. (Referenced to Input)
Polarity Sense:	Positive
DC Offset Voltage:	5 mV typ.
Weight, nom:	1 oz (28 g)
Operating Temperature:	-55° to +85°C

General Notes:

1. The DMM-2C-4000 Double Balanced Mixer covers the frequency range of 2.5 to 6.5 GHz using a distributed design to provide low loss and broad bandwidth in a small package.
2. Merrimac offers a broad selection of Double Balanced Mixers ideal for a variety of signal processing functions with frequencies ranging from 20 kHz to 20 GHz and for applications from routine to very special.
3. Merrimac mixers comply with MIL-M-28837 and may be supplied screened for compliance with additional specifications for military and space specifications requiring the highest reliability

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