

DTG-4B-1250 SQ

TECHNICAL FEATURE

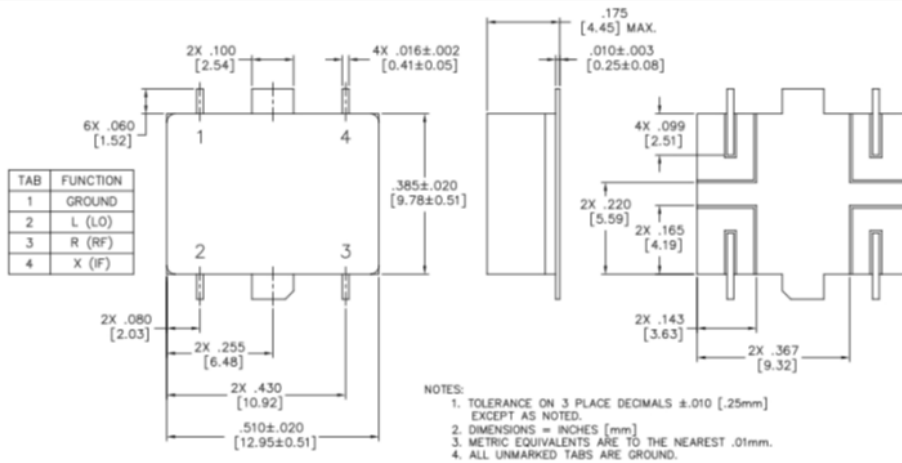
FEATURES

- Space Qualified
- Wideband
- Hi-Rel Hermetic Surface Package

Model Number	RF/LO Frequency, MHz	LO Drive, Nom.	Conversion Loss, dB		Port Isolation, Min.			1 dB Compr. Point	Input Intercept Point
			Max.	Typ.	L-R dB	L-X dB	R-X dB		
DTG-4B-1250	1-3500	+10 dBm	9.5	8.0	25	25	20	+0 dBm (typ.)	+10 dBm (typ.)
			9.5	8.0	25	25	20		
			9.5	8.0	25	25	20		

All Specifications are as measured in a 50Ω system, at nominal LO power in a down converter application

PACKAGE OUTLINE



General Specifications

IF Frequency Range:	1-1000 MHz
Impedance:	50 Ω Nom.
3 rd Order Intermodulation	
Useful LO Drive Range:	+/- 3dB Nom.
Weight, Nom.:	0.1 oz (2.83 g)
Operating Temperature:	-55°C to + 85°C

General Notes:

The DTG-4B-1250 is a broadband, high reliability mixer utilizing a termination insensitive design. This mixer has been designed, manufactured and qualified for Space application.

Crane Aerospace & Electronics

Microwave Solutions – Merrimac Industries
 41 Fairfield Place, West Caldwell, NJ 07006
 + 1.973.575.1300 ext. 1309 • mw@crane-eg.com
www.craneae.com/mw

DTG-4B.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2013 Crane Electronics, Inc. All rights reserved.

