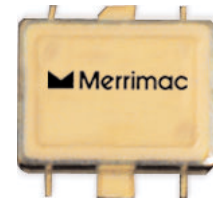


- SPACE QUALIFIED
- WIDEBAND
- HI-REL SURFACE MOUNT PACKAGE



**TECHNICAL DESCRIPTION / APPLICATION**

SERIES 03

The DTG-2B-1250 SQ is a broadband, high reliability mixer utilizing a termination insensitive design. This mixer has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices."

**GENERAL SPECIFICATIONS**

MODEL NUMBER	LO/RF BANDWIDTH MHz	IF BANDWIDTH MHz	ISOLATION dB MIN.			CONVERSION LOSS		LO POWER LEVEL dBm
			L-R	L-X	R-X	TYP.	MAX.	
DTG-2B-1250 SQ	1 - 3500	1 - 1000	25	25	20	8 dB	9.5 dB	+10 TO +13
RF POWER LEVEL		INPUT INTERCEPT dBm MIN.	IMPEDANCE			WEIGHT MAX.	OPERATING TEMPERATURE	
dBm MAX			NOM.					
0		+10	50 OHM			3g	-55° TO + 85° C	

**PACKAGE OUTLINE**

