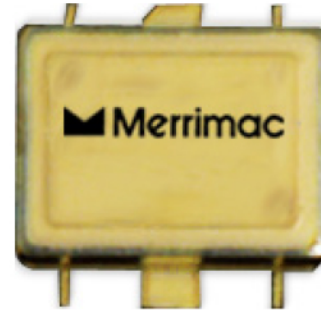


TERMINATION INSENSITIVE MIXER - DTG-2B-1250 SQ

TECHNICAL FEATURE

FEATURES

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



PERFORMANCE

LO/RF Bandwidth	1 - 3500 MHz
IF Bandwidth	1 - 1000 MHz
Isolation	L-R: 25, L-X: 25, R-X: 20 db min.
Conversion Loss.....	8 dB typ., 9.5 dB max.
LO Power Level.....	+10 to +13 dBm
RF Power Level.....	0 dBm max.
Input Intercept	+10 dBm min.
Impedance.....	50 OHM nom.
Operating Temperature	-55° to +85° C

DESCRIPTION

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."

PACKAGE OUTLINE

