

DOUBLE BALANCED MIXER - DML-6B-10G SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- Wideband, 2 - 18 GHz
- Removable SMA Connectors



PERFORMANCE

LO/RF Bandwidth	2 - 18 GHz
IF Bandwidth	0.5 - 8.0 GHz
.....	1.0 - 6.0 GHz
Isolation (2-10 GHz) 15 L-R, (10-18 GHz) 20 L-R dB min.	
.....	18 L-X, 18 R-X dB min.
Conversion Loss.....	9 dB typ., 10.5 dB max.
.....	8 dB typ., 9.5 dB max.
LO Power Level.....	+10 to +13 dBm operating range
.....	+20 dBm max. no damage
RF Power Level.....	0 dBm max. operating
.....	+20 dBm max. no damage
Input Intercept	+13 dBm min.
Impedance.....	50 Ohm nom.
Operating Temperature	-55° to +85° C

DESCRIPTION

The DML-6B-10G SQ is a broadband, high reliability microwave mixer with removable SMA connectors. This mixer has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices." Connectors are supplied installed, but not captivated, for test purposes and subsequent removal for flight.

PACKAGE OUTLINE

