

DOUBLE BALANCED MIXER - DML-2B-10G SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- Wideband, 3 - 18 GHz
- Removable SMA Connectors



PERFORMANCE

LO/RF Bandwidth	3 - 18GHz
IF Bandwidth	DC - 1 MHz
.....	1 - 1.5 MHz
.....	1.5 - 2 MHz
Isolation	20 L-R, 18 L-X, 18 R-X dB min.
Conversion Loss.....	5.5 dB typ., 9.0 dB max.
.....	6.5 dB typ., 9.5 dB max.
.....	7.5 dB typ., 10 dB max.
LO Power Level.....	+7 to +10 dBm
RF Power Level.....	0 dBm max.
Input Intercept	+10 dBm min.
Impedance.....	50 Ohm nom.
Operating Temperature	-55° to +85° C

DESCRIPTION

The DML-2B-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

