

- SPACE QUALIFIED
- WIDEBAND, 2 - 18 GHz
- REMOVABLE SMA CONNECTORS



**TECHNICAL DESCRIPTION / APPLICATION**

SERIES 03

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.

**GENERAL SPECIFICATIONS**

MODEL NUMBER	LO/RF BANDWIDTH	IF BANDWIDTH	ISOLATION dB MIN.			CONVERSION LOSS		LO POWER LEVEL	
	GHz	GHz	L-R	L-X	R-X	TYP.	MAX.	OPERATING RANGE	NO DAMAGE
DML-6B-10G SQ	2 - 18	0.5 - 8.0 1.0 - 6.0	20 20	18 18	18 18	9 dB 8 dB	10.5 dB 9.5 dB	+10 TO +13	+ 20 dBm MAX.
RF POWER LEVEL		INPUT INTERCEPT	IMPEDANCE		WEIGHT	OPERATING TEMPERATURE			
MAX. OPERATING	NO DAMAGE	dBm MIN.	NOM.		MAX.*				
0 dBm	+ 20 dBm MAX.	+13	50 OHM		15 g	-55° TO + 85° C			

\*without connectors

**PACKAGE OUTLINE**

