

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 3.8 - 4.2 GHz
- 2 - Way

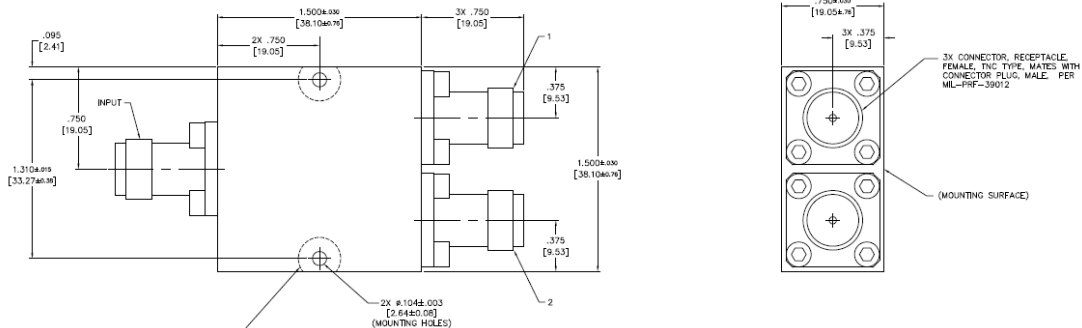
PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Isolation dB Min.	Insertion Loss, dB Max.	Phase Balance Max.	Amplitude Balance dB Max.	VSWR Max.		CW Input, W, Load VSWR out 1.2:1	Weight Max.
						In	Out		
PDC-21-4G SQ	3.8 - 4.2	20	0.35	4°	0.2	1.3:1	1.3:1	20	100 g.

TECHNICAL DESCRIPTION / APPLICATION

The PDC-21-4G SQ In-Phase Power Divider covers 3.8 - 4.2 GHz. It uses a wideband stripline design which provides high isolation and low VSWR. This unit has been designed, manufactured, and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices."

PACKAGE OUTLINE



MOUNTING HOLE MUST BE FREE FROM PART .31 [7.87mm] AROUND HOLE. MASKING DIA. MUST BE CONCENTRIC TO WITHIN .020 [51mm] OF MTC. HOLE.

NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS $\pm .020$ [.51mm] EXCEPT WHERE NOTED.
2. MAX. IS LARGEST DIMENSION ALLOWED.
3. DIMENSIONS = INCHES [mm]
4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm
5. EXTERNAL FINISH:
EXTERIOR SURFACES: FLAT BLACK POLYURETHANE COATING AEROGLAZE Z306 (EXCEPT MOUNTING SURFACE TOP MOUNTING HOLE AREA AND AREA AROUND VENT HOLES AND VENT SLOT).
MOUNTING AND UNPAINTED SURFACE FINISH: CHEMICAL FILM PER MIL-DTL-5541, CLASS 3.
CONNECTOR FINISH: PASSIVATED.
6. WEIGHT: 3.53 OZ. [100g] MAX.