

### TECHNICAL FEATURE

#### FEATURES

- Space Qualified
- 12.75 - 13.25 GHz
- 2 x 4 - Way

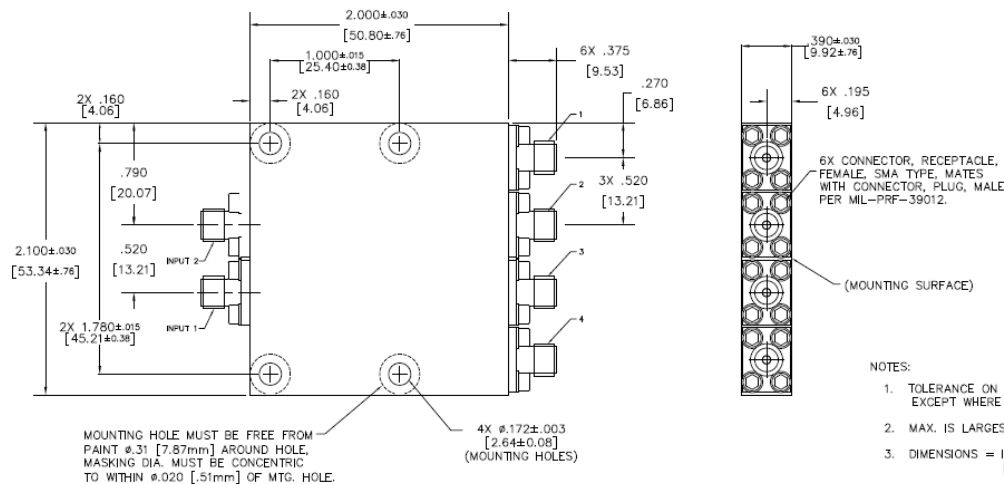
### PRINCIPAL SPECIFICATIONS

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		
PDM-241-13G SQ	12.75 - 13.25	18	1.0	6°	0.5	1.25:1	1.25:1	1	79 g.

### TECHNICAL DESCRIPTION / APPLICATION

The PDM-241-13G SQ In-Phase Power Divider covers 12.75 - 13.25 GHz. It uses a 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



#### NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ±.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: 2.79 OZ. [79g] MAX.