

### TECHNICAL FEATURE

#### FEATURES

- Space Qualified
- 1.1 - 1.7 GHz
- 6 - Way

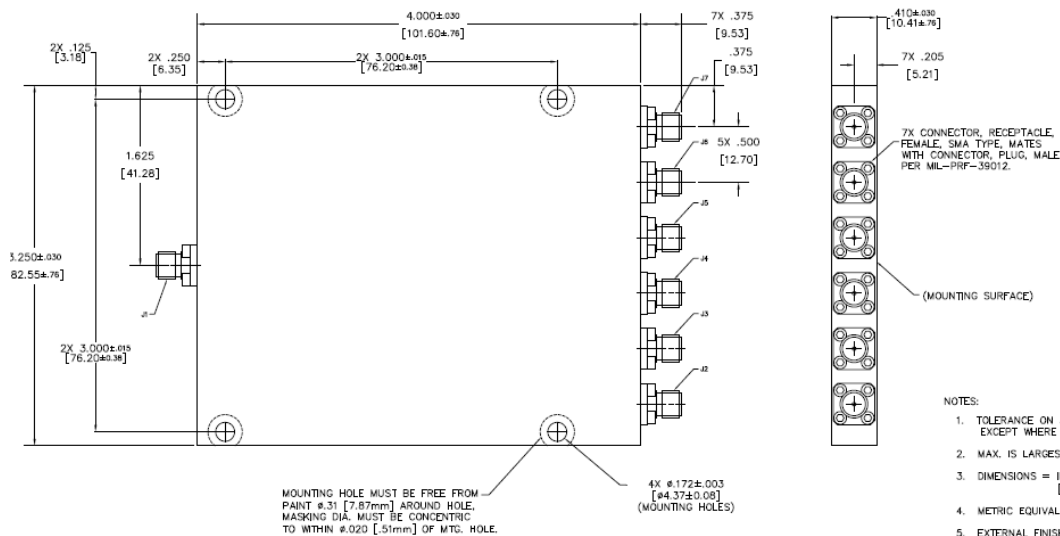
#### PRINCIPAL SPECIFICATIONS

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-61-1.4G SQ	1.1 - 1.7	20	0.7	0±3°	0.8	1.25:1	1.25:1	1	270 g.

#### TECHNICAL DESCRIPTION / APPLICATION

The PDM-61-1.4G SQ In-Phase Power Divider covers 1.1 - 1.7 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



- 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  
AEROGELAZ 2306 (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: 9.52 OZ. [270g] MAX.