

### TECHNICAL FEATURE

#### FEATURES

- Space Qualified
- 100 - 500 MHz
- 3 - Way

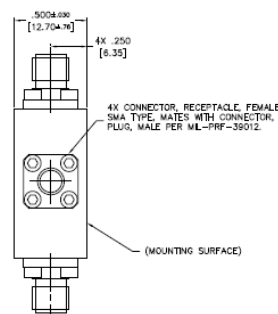
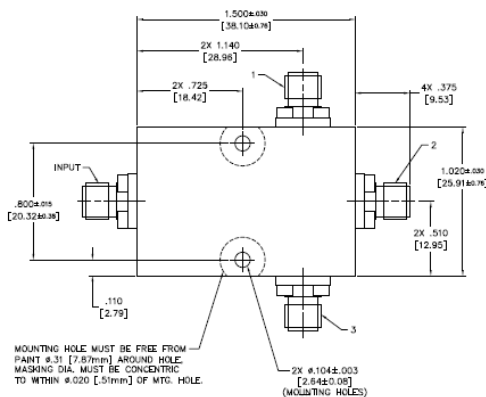
### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range MHz	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-30-300 SQ	100 - 500	25	1.0	6°	0.5	1.30:1	1.30:1	1	50 g.

### TECHNICAL DESCRIPTION / APPLICATION

The PDM-30-300 SQ In-Phase Power Divider covers 100 - 500 MHz. With a special lumped element design to reduce size, while maintaining high performance. 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  $\pm 0.020$  [.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 AEROCGLAZE 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: 1.76 OZ. [50g] MAX.