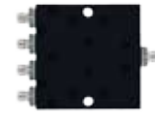


- SPACE QUALIFIED
- 2.0 - 4.0 GHz, 4 WAY SMA



TECHNICAL DESCRIPTION / APPLICATION

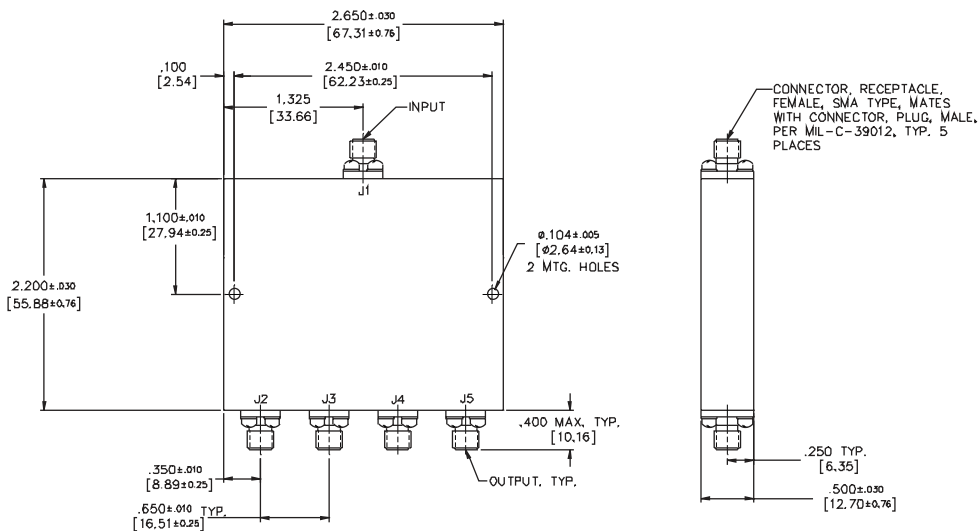
SERIES 05

The PDM-41-3G SQ 4-way In-Phase Power Divider/Combiner covers 2.0 - 4.0 GHz. It uses a conventional Wilkinson 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".

GENERAL SPECIFICATIONS

FREQUENCY RANGE GHz	ISOLATION dB Min.	INSERTION LOSS dB Max.	PHASE BALANCE Max.
2.0 - 4.0	18	0.6	6°
AMPLITUDE BALANCE dB Max.	VSWR Max.	POWER HANDLING	TEMPERATURE RANGE
0.6	1.50:1	1 W with output load VSWR's of 1.2:1 0.1 W with output load VSWR of 2.0:1 0.01 W with output load VSWR of infinity:1	-55 ° C to +85° C

PACKAGE OUTLINE



- NOTES:**
1. TOLERANCE ON 3 PLACE DECIMALS ±.020 (.51mm) EXCEPT AS NOTED.
 2. MAX. IS LARGEST DIMENSION ALLOWED.
 3. DIMENSIONS= INCHES [mm]
 4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
 5. WEIGHT (MAX) 140 GRAMS.
 6. MATERIAL FOR THE BODY: ALUMINUM ALLOY 6061-T6511 PER QQ-A-200/B, FINISH: MOUNTING SURFACE: CHEMICAL FILM PER MIL-C-5541, CLASS 3 BODY: AEROGLAZE Z307, BLACK PAINT.