# 0˚ POWER DIVIDER

## PDM-33-6.1G SQ

Microwave Solutions

## TECHNICAL FEATURE

## FEATURES

- Space Qualified
- 5.1 - 6.1 GHz
- 3 - Way

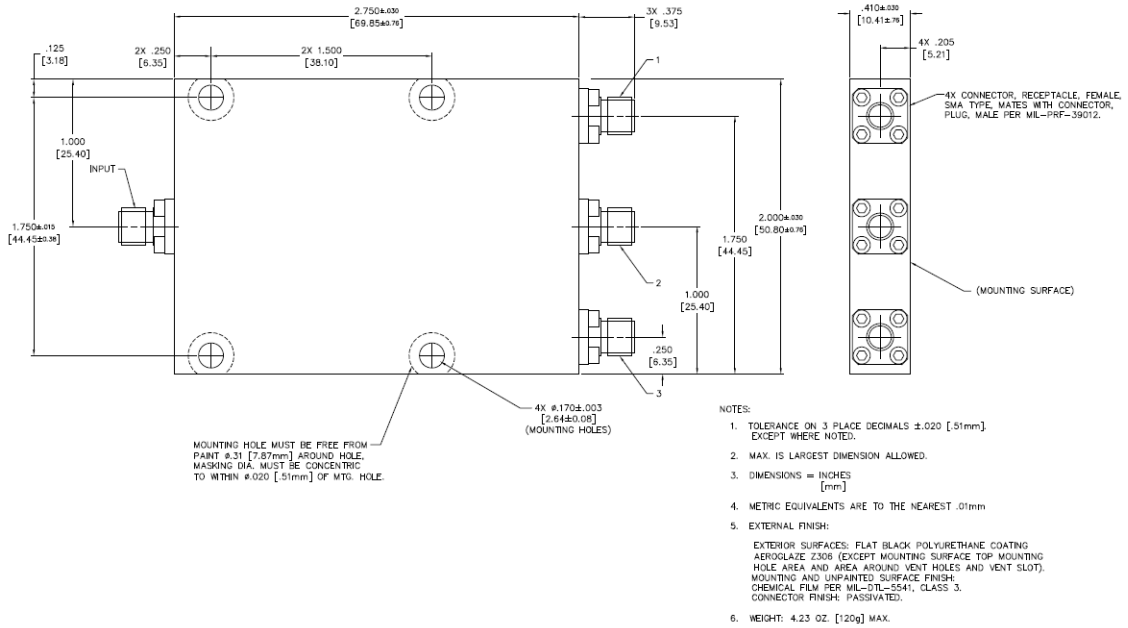
## PRINCIPAL SPECIFICATIONS

| Model Number | Frequency Range GHz | Isolation dB Min. | Insertion Loss, dB Max. | Phase Balance Max. | Amplitude Balance dB Max. | VSWR Max. In | VSWR Max. Out | CW Input, W, Load VSWR out 1.2:1 | Weight Max. |
|---|---|---|---|---|---|---|---|---|---|
| PDM-33-6.1G SQ | 5.1 - 6.1 | 20 | 0.4 | 4° | 0.3 | 1.25:1 | 1.25:1 | 1 | 120 g. |

## TECHNICAL DESCRIPTION / APPLICATION

The PDM-33-6.1G SQ In-Phase Power Divider covers 5.1 - 6.1 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: 4.23 OZ. [120g] MAX.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DS_Power Divider_PDM-33-6.1G SQ_08232024.indd. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2024 Crane Electronics, Inc. All rights reserved.