0° POWER DIVIDER

PDM-21-14.5G SQ

Microwave Solutions

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 14.25 - 14.8 GHz
- 2 - Way

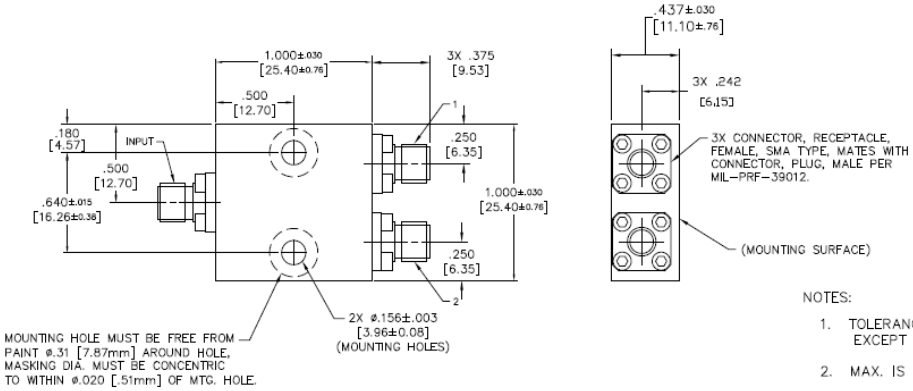
PRINCIPAL SPECIFICATIONS

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-21-14.5G SQ	14.25 - 14.8	20	0.6	6°	0.3	1.22:1	1.22:1	10	31 g.

TECHNICAL DESCRIPTION / APPLICATION

The PDM-21-14.5G SQ In-Phase Power Divider covers 14.25 - 14.8 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: 1.09 OZ. [31g] MAX.

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DS_Power Divider_PDM-21-14.5G SQ_07152024.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.