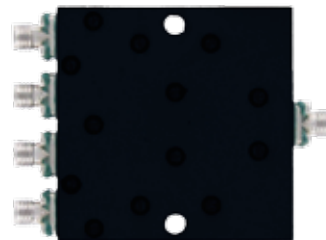


0° DIVIDERS/COMBINERS - PDM-41-3G SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 2 - 4 GHz
- 4 Way SMA



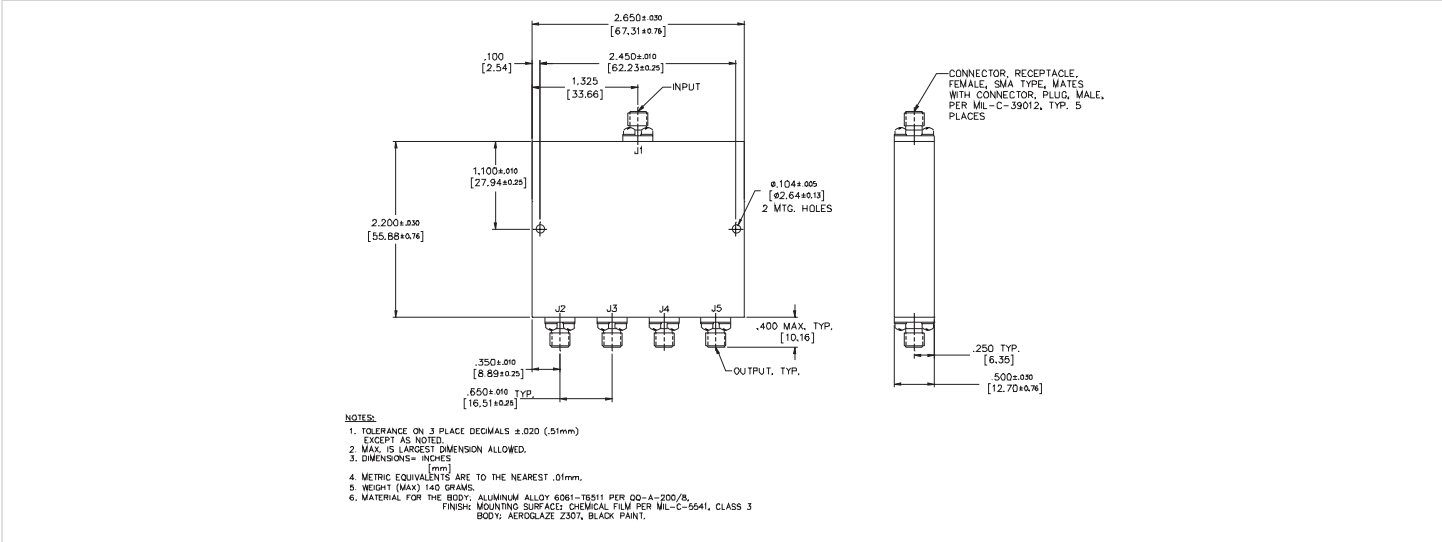
PERFORMANCE

Frequency Range	2 - 4 GHz
Isolation	18 min.
Insertion Loss	0.6 max. dB
Amplitude Balance	0.6 max. dB
VSWR Input/Output.....	1.50:1 max.
Phase Balance	±6°
Power Handling	1 W w/output load VSWR of 1.2:1
.....	0.1 W w/output load VSWR of 2.0:1
.....	0.01 W w/output load VSWR of infinity:1
Operating Temperature	-55° to +85° C

DESCRIPTION

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".

PACKAGE OUTLINE



Crane Aerospace & Electronics
 Microwave Solutions – Merrimac Industries
 41 Fairfield Place, West Caldwell, NJ 07006
 + 1.973.575.1300 ext. 1309 • mw@crane-eg.com
 www.craneae.com/mw

PDM-41-3G SQ - Rev. 1, 11/10/2008

