

DIRECTIONAL COUPLER CSM-20-6G SQ



TECHNICAL FEATURE

FEATURES

- Space Qualified
- 4 8 GHz



PRINCIPAL SPECIFICATIONS									
Model Number	Frequency Range GHz	Frequency Sensitivity dB Max.	Coupling dB	Insertion Loss, dB Max.	Directivity dB Min.	VSWR Main Max.	VSWR Coupled Max	CW Power Rating Main Line	Weight Max.
CSM-20-6G SQ	4 - 8	+ / - 0.75	20 + / - 1.25	0.3	19	1.25:1	1.25:1	30 Watts	0.88 oz.

TECHNICAL DESCRIPTION / APPLICATION

The CSM-20-6G SQ directional coupler covers 4 - 8 GHz with a stripline design. This offers low transmission loss and excellent VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices."

PACKAGE OUTLINE 2X 0.104±0.003 .400±0.030 [10.16±0.76] [Ø2.64±0.08] (MOUNTING HOLES) .250 [6,35] .250 [6,35] 4X .200 [5.08] FORWARD COUPLED 650 MAX .084 [2.13] [16.52] J1 — INPUT .650±0.030 [16.51±0.76] 482±0.010 [12.24±0.25] .500 [12,70] ,435 [11,05] OUTPUT 3x CONNECTOR, RECEPTACLE, — FEMALE, SMA TYPE, MATES WITH CONNECTOR, PLUG MALE PER MIL-PRF-39012 3x .400 MAX [10.16] 1,000±0,030 [25,40±0,76] 15.5: 1. TOLERANCE ON 3 PLACE DECIMALS ±.020 [.51mm] EXCEPT AS NOTED. 2. MAX. 15 LARGEST DIMENSION ALLOWED. 3. DIMENSIONS=INCHES [mm] METRIC EQUIVALENTS ARE TO THE NEAREST ,01mm, WEIGHT: .88 OZ. [25g] MAX.

Microwave Solutions

Merrimac Industries 41 Fairfield Place, West Caldwell, NJ 07006

+ 1 973-575-1300, 191309 info@craneae.com www.craneae.com Page 1 of 1 CSM-20-6G SQ Rev. 7, 01/12/2021

DS_Power Divider_CSM206GSQ_01122021.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 © 2021 Crane Electronics, Inc. All rights reserved.