

DIRECTIONAL COUPLER CSK-20-4G SQ



TECHNICAL FEATURE

FEATURES

- · Space Qualified
- 2.6 5.2 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.
CSK-20-4G SQ	2.6 - 5.2	+ / - 0.75	20 + / - 1.25	0.3	19	1.25:1	1.25:1	30 Watts	0.88 oz.

TECHNICAL DESCRIPTION / APPLICATION

The CSK-20-4G SQ directional coupler covers 2.6 - 5.2 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 J3 — FORWARD COUPLED 650 MAX .084 [2.13] J1 — INPUT .482±0.010 [12.24±0.25] .650±0.030 [16.51±0.76] J2 OUTPUT .435 [11.05] .500 [12,70] CONNECTOR, RECEPTACLE, FEMALE SMK TYPE TYP 3 PLACES 3x .400 MAX [10.16] 1,000±0,030 [25,40±0,76] NOTES: 1. TOLERANCE ON 3 PLACE DECIMALS ±.020 [.51mm] 2. MAX. IS LARGEST DIMENSION ALLOWED. 3. DIMENSIONS = INCHES [mm] 4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm 5. WEIGHT: .88 OZ. [25g] MAX.

Microwave Solutions

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