REV: 001, 11/07/01

- SPACE QUALIFIED
- 1.5 3.0 GHz, 2 WAY, SMA



TECHNICAL DESCRIPTION / APPLICATION

The PDM-21-2.25G SQ In-Phase Power Divider/Combiner covers 1.5 - 3.0 GHz. It uses a conventional Wilkinson design which provides high isolation and low VSWR. This device has been designed in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

GENERAL SPECIFICATIONS						
MODEL NUMBER	FREQUENCY RANGE	ISOLATION dB	INSERTION LOSS	AMPLITUDE BALANCE	VSWR MAX	
	GHz	MIN.	MAX.	MAX.	IN	OUT
PDM-21-2.25G SQ	1.5 - 3.0	22	0.3 dB	0.2 dB	1.20:1	1.20:1
PHASE BALANCE	E BALANCE CW INPUT WITH LOAD VSWR 1.2:1		IMPEDANCE	OPERATING TEMPERATURE	WEIGHT	
			NOM.		MAX.	
±3°	2 W		50 OHM	-55° to +85 ° C	2 oz	

PACKAGE OUTLINE 3X CONNECTOR RECEPTACLE, FEMALE, SMA TYPE, MATES WITH CONNECTOR, PLUG, MALE PER MIL-C-39012 1.500 [38.10] .250 [6.35] .750 [19.05] 0 1.310 [33.27] [38.10] 655 [16.64] .750 [19.05] 250 3X .375 [9.53] .250 ø .104±0.003 [6.35] [6.35] [ø2.64±0.08] .500 2X MOUNTING [12.70] HOLES. NOTES: 1. TOLERANCE ON 3 PLACE DECIMALS ±.020 [.51mm] EXCEPT AS NOTED. 2. DIMENSIONS=INCHES [mm]