



PDM-21M-6G SQ 0° DIVIDERS / COMBINERS

PRELIMINARY REV: 010, 010/03/00

- SPACE QUALIFIED
- 4 - 8 GHz, 2 WAY, SMA



TECHNICAL DESCRIPTION / APPLICATION

The PDM-21(M) series of 2-way In-Phase Power Dividers/Combiners cover 4-8 GHz. Each uses a conventional Wilkinson design which provides high isolation and low VSWR. This unit has been designed, manufactured and qualified per Merrimac's MSQP procedure with Parts, materials and processes in accordance with Merrimac's space qualified parts Hi-Rel standard.

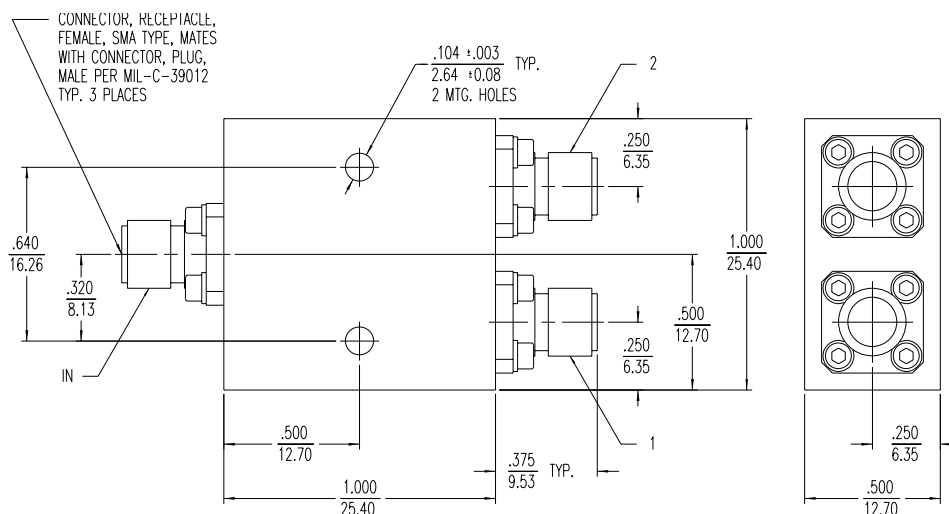
SERIES 06

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE GHz	ISOLATION dB		INSERTION LOSS		AMPLITUDE BALANCE		VSWR MAX	
		MIN.		MAX.		MAX.		IN	OUT
PDM-21M-6G SQ	4.0 - 8.0	20		0.4 dB		0.2 dB		1.30:1	1.20:1
PHASE BALANCE	CW INPUT WITH LOAD VSWR 1.2:1			IMPEDANCE		OPERATING TEMPERATURE		WEIGHT	
				NOM.				MAX.	
±3°	2 W			50 OHM		-55° to +85 ° C		1.2 oz	

ALL SPECIFICATIONS SUBJECT TO CHANGE

PACKAGE OUTLINE



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ±.020 (.51mm) EXCEPT AS NOTED.
2. DIMENSIONS IN INCHES OVER MILLIMETERS.

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