



PDM-81M-3.8G SQ
0° DIVIDERS / COMBINERS

PRELIMINARY REV: 003, 10/10/00

- SPACE QUALIFIED
- 3.3 - 4.3 GHz, 8 WAY, SMA



TECHNICAL DESCRIPTION / APPLICATION

SERIES 06

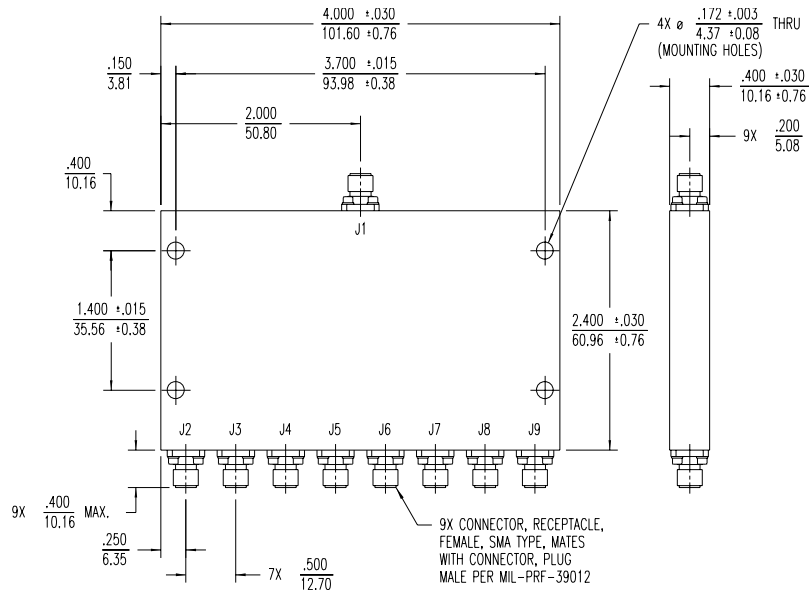
The PDM-81(M) series of 8-way In-Phase Power Dividers/Combiners cover 3.3 - 4.3 GHz. Each uses a conventional Wilkinson design which provides high isolation and low VSWR. This unit has been designed, manufactured and qualified per Merrimac's MSQP procedure with Parts, materials and processes in accordance with Merrimac's space qualified parts Hi-Rel standard.

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE GHz	ISOLATION dB MIN.	INSERTION LOSS MAX.	AMPLITUDE BALANCE MAX.	VSWR MAX
PDM-81M-3.8G SQ	3.3 - 4.3	20	0.7 dB	0.4 dB	1.25:1
PHASE BALANCE	CW INPUT WITH LOAD VSWR 1.2:1		IMPEDANCE NOM.	OPERATING TEMPERATURE	WEIGHT MAX.
±6°	2 W		50 OHM	-55° to +85 ° C	9.7 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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