



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

REV: 004, 02/05/01

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



TECHNICAL DESCRIPTION / APPLICATION

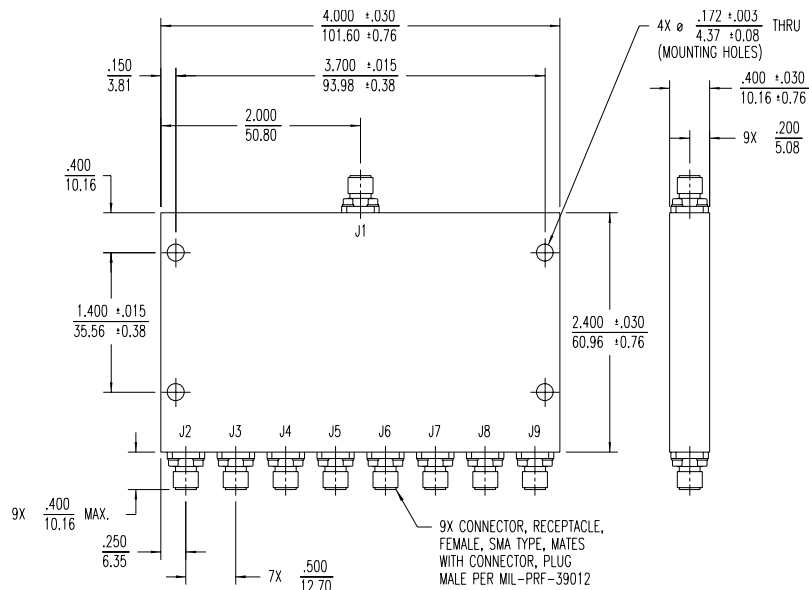
SERIES 06

The PDM-81-3.8G SQ 8-way In-Phase Power Divider/Combiner covers 3.3 - 4.3 GHz. It uses a conventional Wilkinson design which provides high isolation and low VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE GHz	ISOLATION dB	INSERTION LOSS	AMPLITUDE BALANCE	VSWR MAX
		MIN.	MAX.	MAX.	
PDM-81-3.8G 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	OPERATING TEMPERATURE	WEIGHT
±6°	2 W		NOM. 50 OHM	-55° to +85 ° C	MAX. 9.7 oz

PACKAGE OUTLINE



NOTES:

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