0° DIVIDERS / COMBINERS

REV: 004, 02/08/01

- SPACE QUALIFIED
- 8 - 18 GHz, 2 WAY, SMA

SERIES 05

TECHNICAL DESCRIPTION / APPLICATION

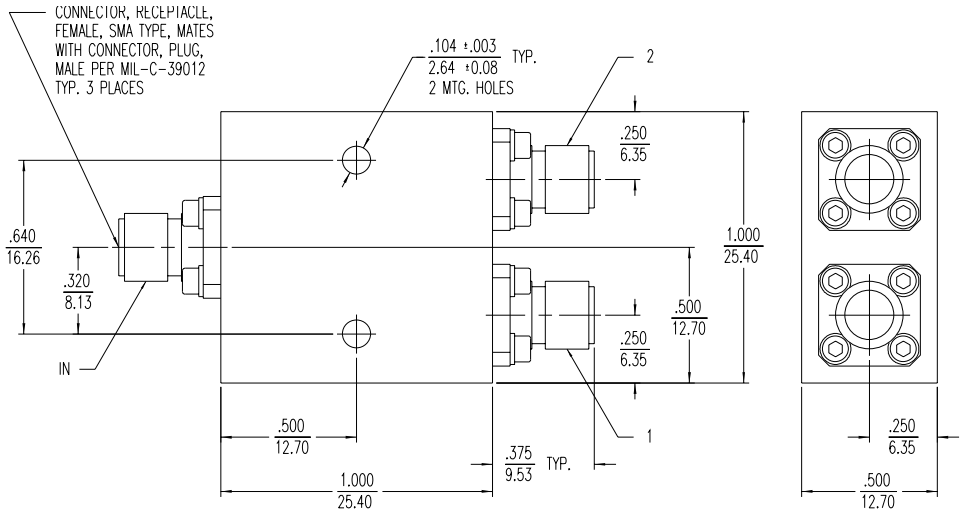
The PDM-24-13G SQ 2-way In-Phase Power Divider/Combiner covers 8-18 GHz. It uses a conventional Wilkinson design which provides high isolation and low VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE GHz	ISOLATION dB MIN.	INSERTION LOSS MAX.	AMPLITUDE BALANCE MAX.	VSWR MAX IN	VSWR MAX OUT
PDM-24-13G SQ	8.0 - 18.0	19	0.7 dB	0.2 dB	1.35:1	1.4:1

PHASE BALANCE	CW INPUT WITH LOAD VSWR 1.2:1	IMPEDANCE NOM.	OPERATING TEMPERATURE	WEIGHT MAX.
±5°	2 W	50 OHM	-55° to +85 ° C	1.2 oz

PACKAGE OUTLINE



NOTES:

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