



**PDM-21-12G SQ**  
**0° DIVIDERS / COMBINERS**

REV. 011, 02/05/01

- SPACE QUALIFIED
- 10.5 - 13 GHz, 2 WAY, SMA



**TECHNICAL DESCRIPTION / APPLICATION**

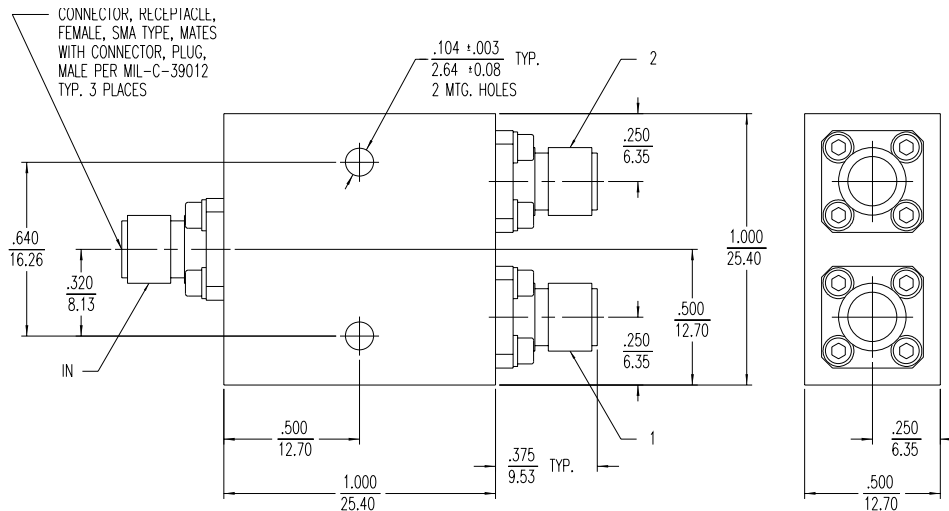
SERIES 06

The PDM-21-12G SQ In-Phase Power Divider/Combiner covers 10.5-13 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	OUT
PDM-21-12G SQ	10.5 - 13	20	0.5 dB	0.2 dB	1.2:1	1.2:1
PHASE BALANCE	CW INPUT WITH LOAD VSWR 1.2:1		IMPEDANCE NOM.	OPERATING TEMPERATURE	WEIGHT MAX.	
±3°	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.