



**PDM-21-10G SQ**  
**0° DIVIDERS / COMBINERS**

REV: 004, 02/08/01

- SPACE QUALIFIED
- 8.0 - 12.4 GHz, 2 WAY, SMA



**TECHNICAL DESCRIPTION / APPLICATION**

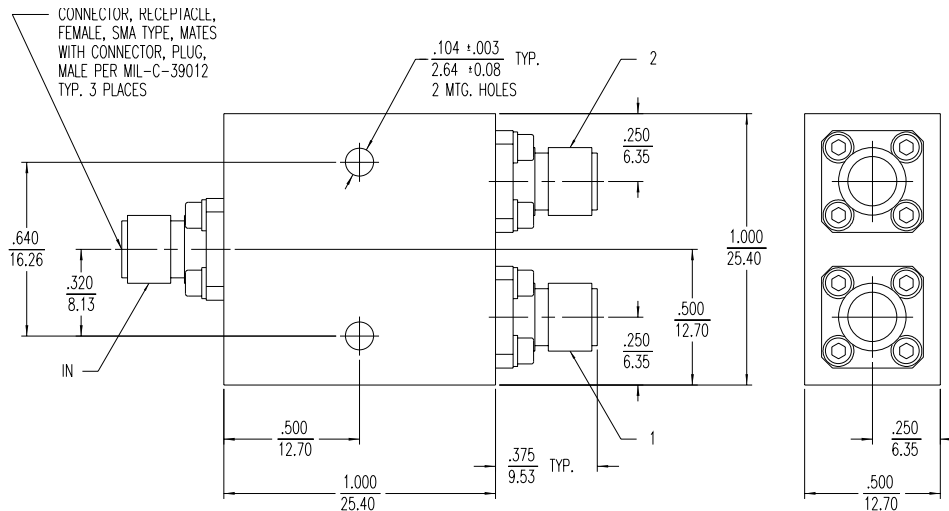
SERIES 06

The PDM-21-10G SQ In-Phase Power Divider/Combiner covers 8.0 - 12.4 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.	MAX.	IN	OUT		
PDM-21-10G SQ	8.0 - 12.4	20		0.5 dB		0.2 dB		1.3:1	1.35:1
PHASE BALANCE	CW INPUT WITH LOAD VSWR 1.2:1		IMPEDANCE		OPERATING TEMPERATURE		WEIGHT		
±4°	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.