- SPACE QUALIFIED
- 100 - 2000 MHz
- 2 WAY FLATPACK



SERIES 05

TECHNICAL DESCRIPTION / APPLICATION

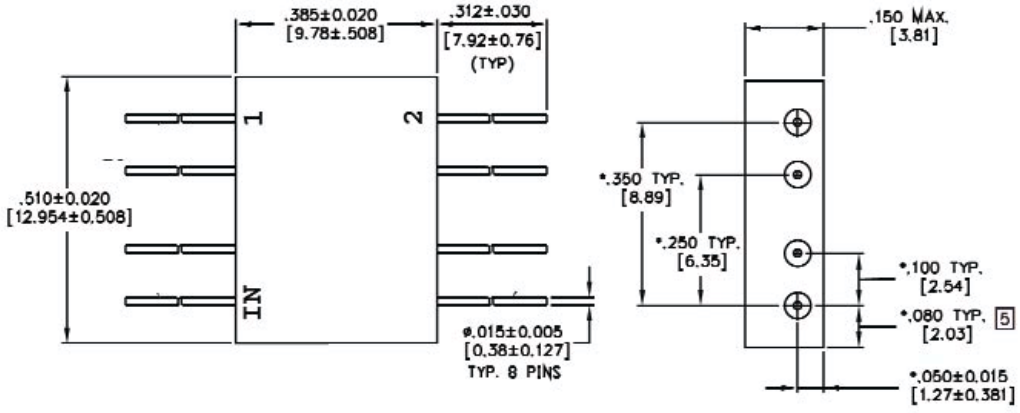
The PDF-2A-1000 SQ 2 way power divider/combiner covers a frequency range of 100 to 2000 MHz using a special lumped element design to reduce the size while maintaining high performance. This device has been designed in accordance with Merrimac document CENG-0001, “Standard Design Requirements for Space Qualified Devices”.

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE MHz	ISOLATION dB		INSERTION LOSS dB		AMPLITUDE BALANCE dB		PHASE BALANCE		VSWR INPUT/ OUTPUT	
		MIN.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.
PDF-2A-1000 SQ	100 - 2000	15	20	1.8	1.0	0.5	0.25	5°	3°	1.6:1	1.3:1

INPUT POWER MAX	COUPLING NOM.	IMPEDANCE NOM.	INTERNAL POWER DISSIPATION MAX.	WEIGHT MAX.	OPERATING TEMPERATURE
1 W	3.0 dB	50 OHM	50 mW	2.8 g	-55° to +85 ° C

PACKAGE OUTLINE



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ±.010 [.25mm] EXCEPT AS NOTED.
2. MAX. IS LARGEST DIMENSION ALLOWED.
3. DIMENSIONS = INCHES [mm]
4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
5. ALL LEADS TO BE WITHIN ±.010 [.25mm] OF EACH OTHER AT THIS DIMENSION.
6. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY
7. ALL UNMARKED PINS ARE CASE GROUND.