



- SPACE QUALIFIED
- 1 - 100 MHz
- 2 WAY FLATPACK



**TECHNICAL DESCRIPTION / APPLICATION**

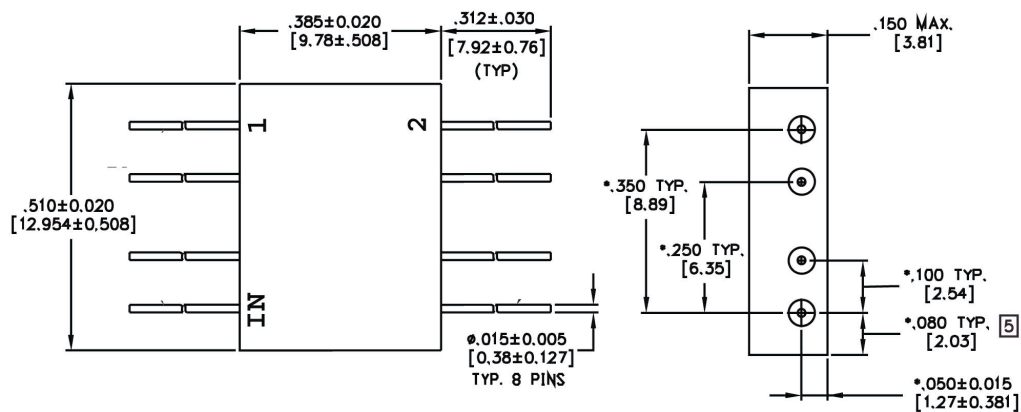
SERIES 03

The PDF-2A-50 SQ 2 way power divider/combiner covers a frequency range of 1 to 100 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-50 SQ	1 - 100	30	35	0.7	0.5	0.15	0.1	2°	1°	1.3:1	1.2:1
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.