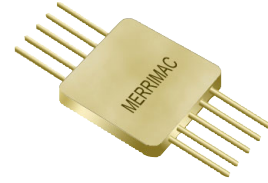


- SPACE QUALIFIED
- 1 - 100 MHz
- 3 WAY FLATPACK



TECHNICAL DESCRIPTION / APPLICATION

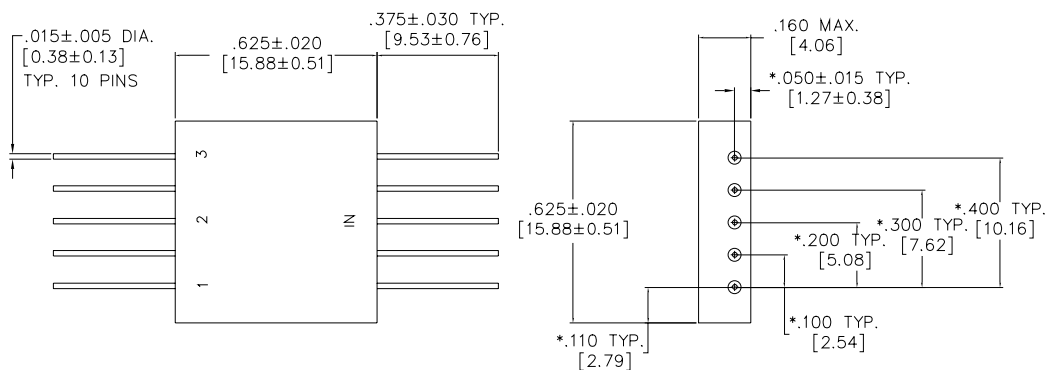
SERIES 03

The PDF-3C-50 SQ 3 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-3C-50 SQ	1 - 100	28	33	0.6	0.3	0.2	0.1	3°	1°	1.3:1	1.15:1
INPUT POWER MAX	COUPLING NOM.	IMPEDANCE NOM.		INTERNAL POWER DISSIPATION MAX.		WEIGHT MAX.		OPERATING TEMPERATURE			
1 W	4.8 dB	50 OHM		50 mW		5.0 g		-55° to +85 ° C			

PACKAGE OUTLINE



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ±.010 (.25mm) EXCEPT AS NOTED.
2. ALL UNMARKED PINS ARE CASE GROUND.
3. DIMENSIONS=INCHES [mm]
4. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY.
5. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.