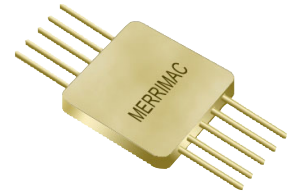


- SPACE QUALIFIED
- 25 - 1000 MHz
- 3 WAY FLATPACK



**TECHNICAL DESCRIPTION / APPLICATION**

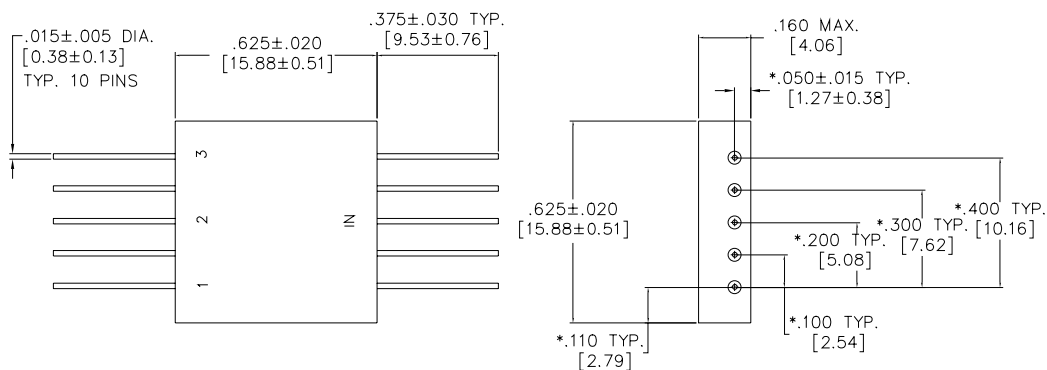
SERIES 03

The PDF-3C-500 SQ 3 way power divider/combiner covers a frequency range of 25 to 1000 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-500 SQ	25 - 1000	22	28	1.2	0.5	0.4	0.2	5°	3°	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  $\pm .010$  (.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.