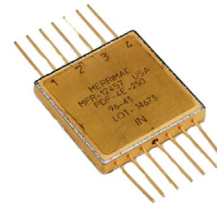




- SPACE QUALIFIED
- 10 - 500 MHz
- 4 WAY FLATPACK
- HI-REL FLATPACK



**TECHNICAL DESCRIPTION / APPLICATION**

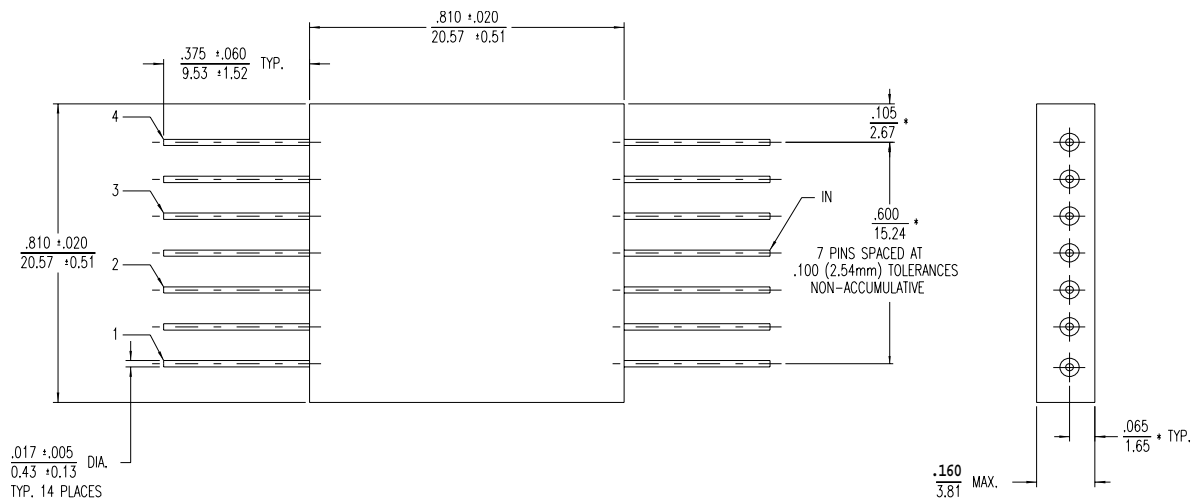
SERIES 05

The PDF-4E-250 SQ is a wideband, lumped element, 4 way power divider, covering 10 - 500MHz. Its toroidal transformer design yields high performance with small size and weight. Parts, materials and processes 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-4E-250 SQ	10 - 500	25	28	1.2	1.0	0.2	0.1	3°	2°	1.3:1	1.2:1
INPUT POWER MAX	COUPLING NOM.	IMPEDANCE NOM.		INTERNAL POWER DISSIPATION MAX.		WEIGHT MAX.		OPERATING TEMPERATURE			
1 W	-6 dB	50 OHM		50 mW		12g		-55° to +85 ° C			

**PACKAGE OUTLINE**



- NOTES:
1. TOLERANCE ON 3 PLACE DECIMALS  $\pm .010$  (.25mm) EXCEPT AS NOTED.
  2. DIMENSIONS IN INCHES OVER MILLIMETERS.
  3. DIMENSIONS MARKED WITH \* APPLY ONLY AT BODY.
  4. ALL UNMARKED PINS ARE CASE GROUND.