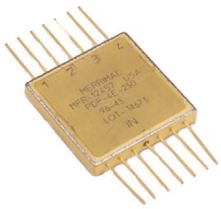
- SPACE QUALIFIED
- 100-2000 MHz
- 4 WAY FLATPACK
- HI-REL FLATPACK



SERIES 05

TECHNICAL DESCRIPTION / APPLICATION

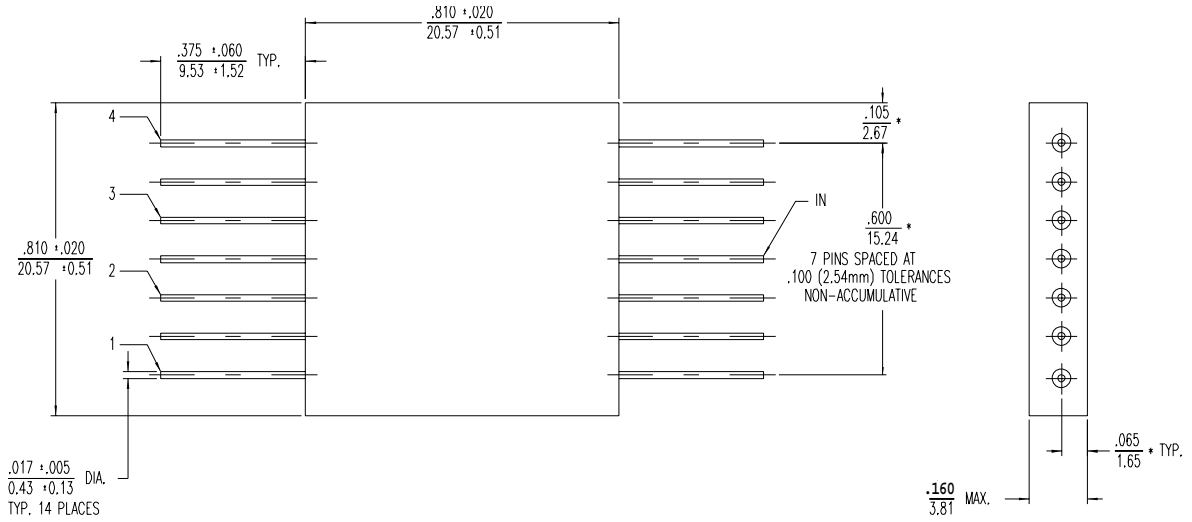
The PDF-4E-1300 SQ is a wideband, lumped element, 4 way power divider, covering 100-2000 MHz. Its toroidal transformer design yields high performance with small size and weight. Parts, materials and processes in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE MHz	ISOLATION dB MIN.	ISOLATION dB TYP.	INSERTION LOSS dB MAX.	INSERTION LOSS dB TYP.	AMPLITUDE BALANCE dB MAX.	AMPLITUDE BALANCE dB TYP.	PHASE BALANCE MAX.	PHASE BALANCE TYP.	VSWR INPUT/ OUTPUT MAX.	VSWR INPUT/ OUTPUT TYP.
PDF-4E-1300 SQ	100-2000	20	23	2.5	2.0	0.5	0.4	5°	3°	1.6:1	1.5:1

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 ±.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.