

PRINCIPAL SPECIFICATIONS

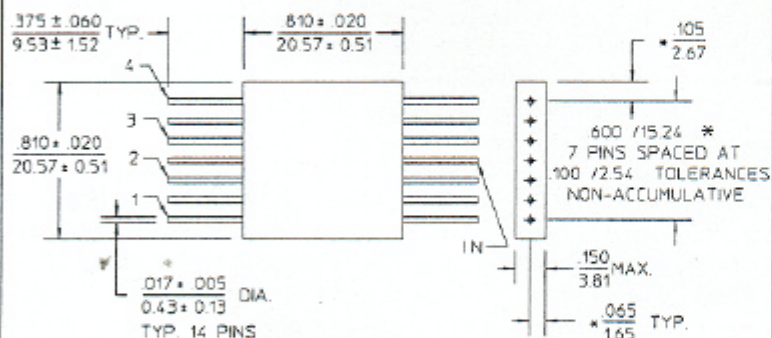
Model Number	Frequency Range, MHz	Isolation, dB		Insertion Loss, dB		Amplitude Balance, dB		Phase Balance		VSWR Input/Output		Input Power Max.*
		Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
PDF-4E-20	0.05 - 40	30	35	1.0	0.6	0.2	0.1	2°	1°	1.3:1	1.2:1	50 mW
PDF-4E-50	2 - 100	30	33	1.0	0.6	0.2	0.1	2°	1°	1.3:1	1.2:1	1 W
PDF-4E-250	10 - 500	25	30	1.25	0.8	0.2	0.1	3°	2°	1.3:1	1.2:1	1 W
PDF-4E-1300	100 - 2000	20	23	3.0	2.5	0.6	0.4	6°	4°	1.8:1	1.5:1	1 W

*CW Input power when used as divider with 1.2:1 VSWR_{out}

GENERAL SPECIFICATIONS

Coupling: -6 dB nom.
 Impedance: 50 Ω nom.
 Internal Power Dissipation: 50 mW max.
 Weight, nominal: 0.32 oz. (9 g)
 Operating Temperature: -55° to +85°C

Package Outline



- NOTES: 1. Tolerance on 3 place decimals $\pm 0.10(25)$ except as noted.
 2. Dimensions in inches over millimeters.
 3. Dimensions marked with * apply only at body.

These units comply with MIL-P-23971 and can be screened for compliance with additional specifications for military and space applications requiring the highest reliability.

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Typical Performance

