

PRINCIPAL SPECIFICATIONS

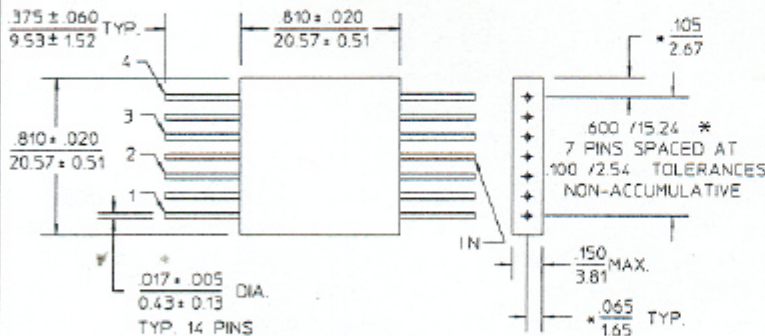
| Model Number | Frequency Range, MHz | Isolation, dB | | Insertion Loss, dB | | Amplitude Balance, dB | | Phase Balance | | VSWR Input/Output | | Input Power Max.* |
|--------------|----------------------|---------------|------|--------------------|------|-----------------------|------|---------------|------|-------------------|-------|-------------------|
| | | 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 ±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.

18Feb98

Typical Performance

