

PDF-4E SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

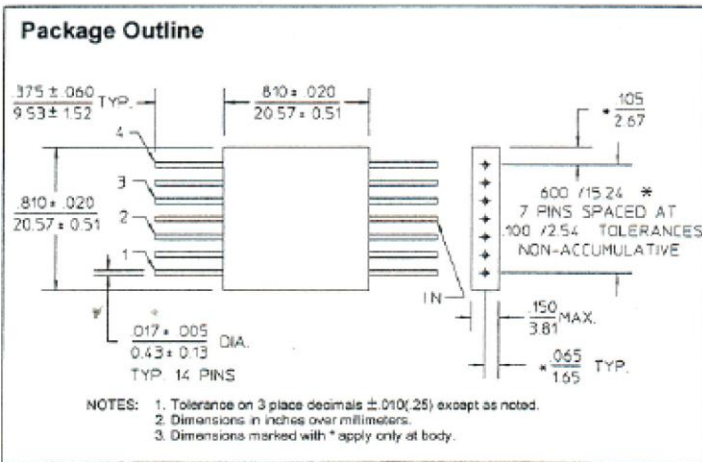
FEATURES

- 50 kHz to 2 GHz
- 4-way
- Uniform Phase & Amplitude Balance
- Low Insertion Loss
- Hi-Rel Hermetic Package

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-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

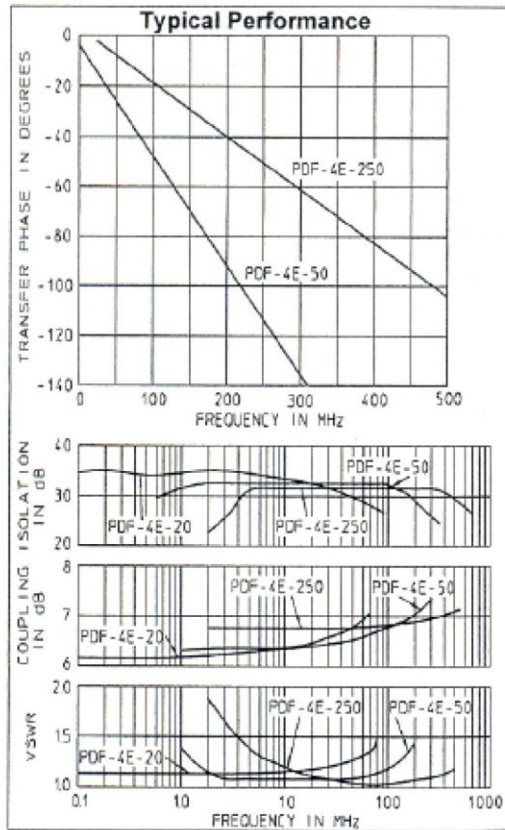
*CW input power when used as divider with 1.2:1 VSWR_{out}

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



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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