

PDG-4C SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 1 to 500 MHz
- 4-way
- Uniform Phase & Amplitude Balance
- Broadband
- Hi-Rel Hermetic Package
- SMD

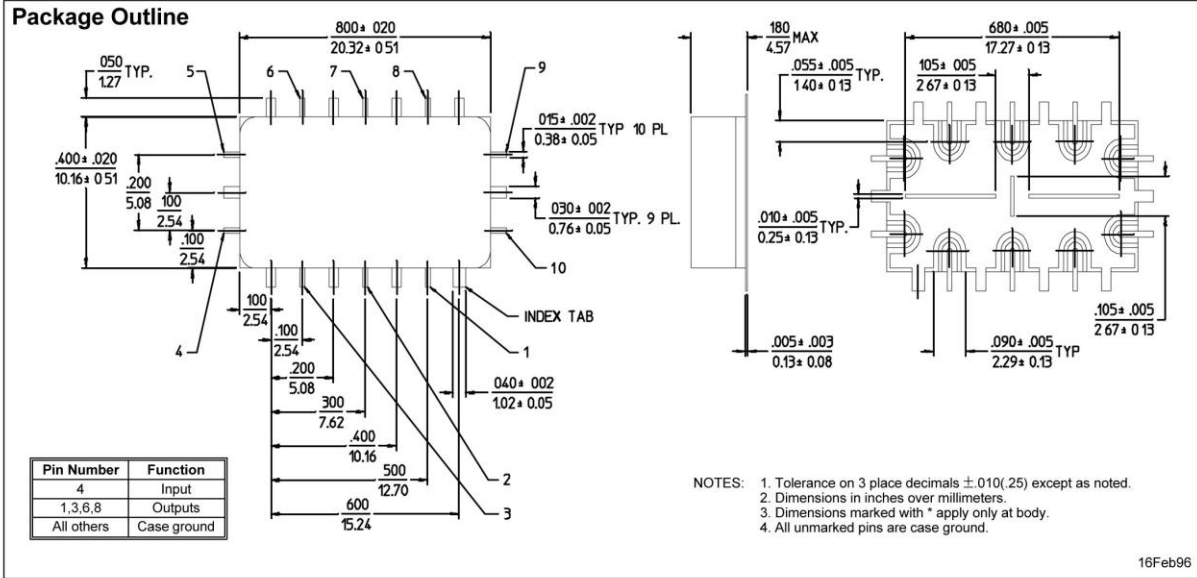
PRINCIPAL SPECIFICATIONS												
Model Number	Frequency Range, MHz	Isolation, dB,		Insertion Loss, dB,		Amplitude Balance, dB,		Phase Balance,		VSWR Input/Output		Input Power Max.*
		Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
PDG-4C-50	1 - 100	25	30	1.0	0.4	0.4	0.2	5°	3°	1.5:1	1.2:1	500 mW
PDG-4C-250	20 - 500	20	25	2.0	0.8	0.4	0.4	5°	3°	1.5:1	1.3:1	500 mW

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

General Notes:
 1. The PDG-4C series of 4-way In-Phase Power Dividers/Combiners covers 1 to 500 MHz using an n-way lumped element design to reduce size making it ideal for applications where high performance and a small low profile surface mount package is essential.

GENERAL SPECIFICATIONS

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



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