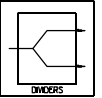


# PDG-4C Series      0° POWER DIVIDERS / COMBINERS

1 to 500 MHz / 4-Way / Uniform Phase & Ampli. Bal. / 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<sub>out</sub>

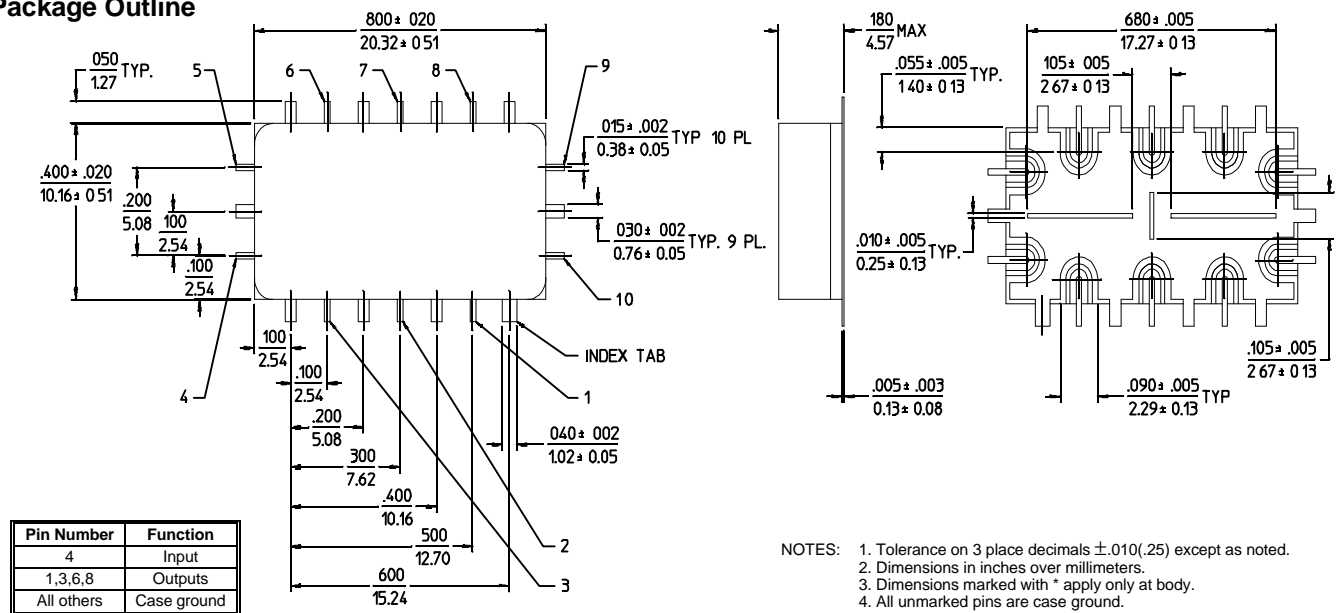
### General Notes:

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

### Package Outline



NOTES: 1. Tolerance on 3 place decimals ±.010(.25) except as noted.  
 2. Dimensions in inches over millimeters.  
 3. Dimensions marked with \* apply only at body.  
 4. All unmarked pins are case ground.

16Feb96