

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Frequency Performance, MHz	Isolation, dB, Min.	Typ.	Insertion Loss, dB, Max.	Typ.	Phase Balance, Max.	Typ.	Amplitude Balance, dB, Max.	Typ.	VSWR In/Output Max.	Typ.
PDG-02B-250	10 - 500	10 - 500	25	30	0.7	0.4	2°	1°	0.2	0.1	1.3:1	1.2:1
†PDG-02B-255	10 - 500	10 - 500	25	30	0.7	0.4	2°	1°	0.2	0.1	1.3:1	1.2:1
†PDG-02B-500	20 - 1000	20 - 500 500 - 1000	20 18	25 20	0.5 1.0	0.3 0.5	2° 3°	1° 2°	0.3 0.3	0.1 0.2	1.4:1 1.6:1	1.3:1 1.3:1
PDG-02B-1000	100 - 2000	100 - 2000	15	20	1.8	1.0	5°	3°	0.5	0.2	1.6:1	1.3:1
†PDG-02B-1005	100 - 2000	100 - 2000	15	20	1.8	1.0	5°	3°	0.5	0.2	1.6:1	1.3:1

†Unit designed for IR or Vapor Phase Attachment

General Notes:

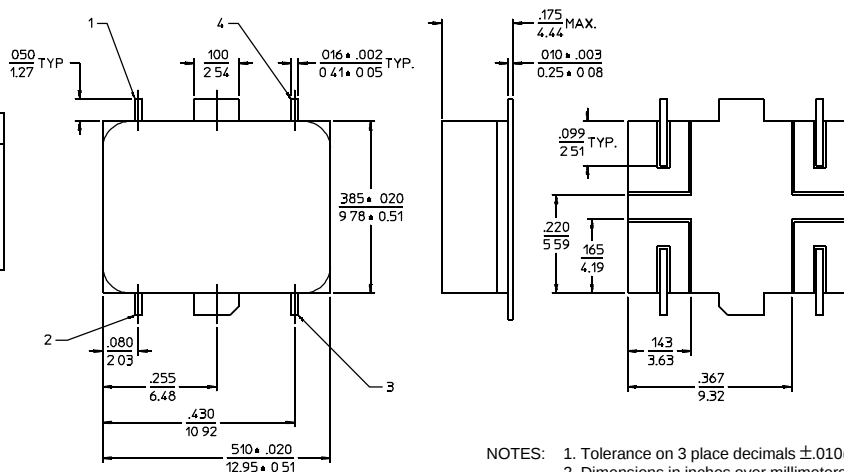
1. The PDG-02B series of surface mount two-way Power Dividers/ Combiners, covers a broad frequency range of 10 to 2000 MHz using a special lumped element design to reduce the size while maintaining high performance.
2. The surface mount housing has been designed for airborne and space applications where inherent package reliability and hermeticity are critical.

GENERAL SPECIFICATIONS

Coupling: – 3.0 dB nom.
 Impedance: 50 Ω nom.
 CW Input Power : 1 Watt max.
 (When used as divider with 1.2:1 VSWR_{out})
 Internal Load Dissipation: 50 mW, Internal
 Weight, nominal: 0.07 oz. (2 g)
 Operating Temperature: – 55° to + 85°C

Package Outline

Tab No.	Function
1	Output
2	Output
3	Input
4	Ground



NOTES: 1. Tolerance on 3 place decimals $\pm 0.10(0.25)$ except as noted.
 2. Dimensions in inches over millimeters.

16Feb96