PDG-3B SERIES - 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 10 to 1000 MHz
- 3-way
- Broadband
- Low Insertion Loss
- Hi-Rel Hermetic Package
- SMD

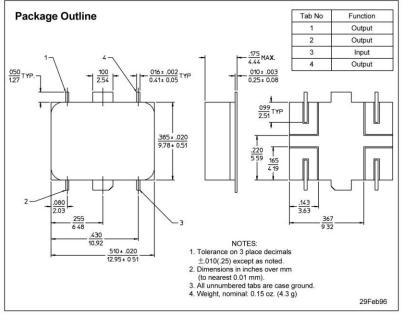
		PRINCIPAL SPECIFICATIONS										
Standard Model Number for Vapor Phase	Freq. Range,	Freq. Perform.,			Insertion Loss, dB,		Phase Balance,		Amplitude Balance, dB,		VSWR In/Output	
& IR Insertion	MHz	MHz	Min.	Тур.	Max.	Тур.	Max.	Тур.	Max.	Тур.	Max.	Тур.
PDG-3B-150	1 - 300	2 - 200 1 - 300	28 20	32 25	1.0 1.2	0.8	3° 4°	2° 3°	0.3 0.4	0.15 0.2	1.35:1 1.6:1	1.2:1 1.3:1
PDG-3B-530	50 - 1000	50 - 800 800 - 1000	20 20	25 25	1.5 3.0	0.8 1.5	8° 10°	3° 5°	0.5 0.7	0.3 0.5	1.5:1 1.7:1	1.3:1 1.4:1

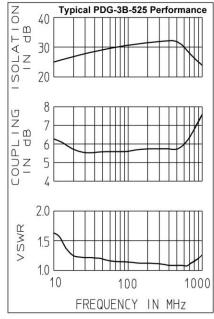
General Notes:

1. The PDG-3B series of 3-way Power Dividers/ Combiners covers 1 to 1000 MHz using lumped element circuits to minimize size while providing high performance. The surface mount housing is suited to applications where inherent package reliability and hermeticity are critical. All units are fully welded.

GENERAL SPECIFICATIONS

-4.8 dB nom. Coupling, theoretical: Impedance: 50 Ω nom. Internal Load Dissipation: 50 mW max. CW Input Power : 1 Watt max. (When used as divider with 1.2:0 VSWR $_{\text{out}}$) Operating Temp. Range: -55° to $+85^{\circ}$ C





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