

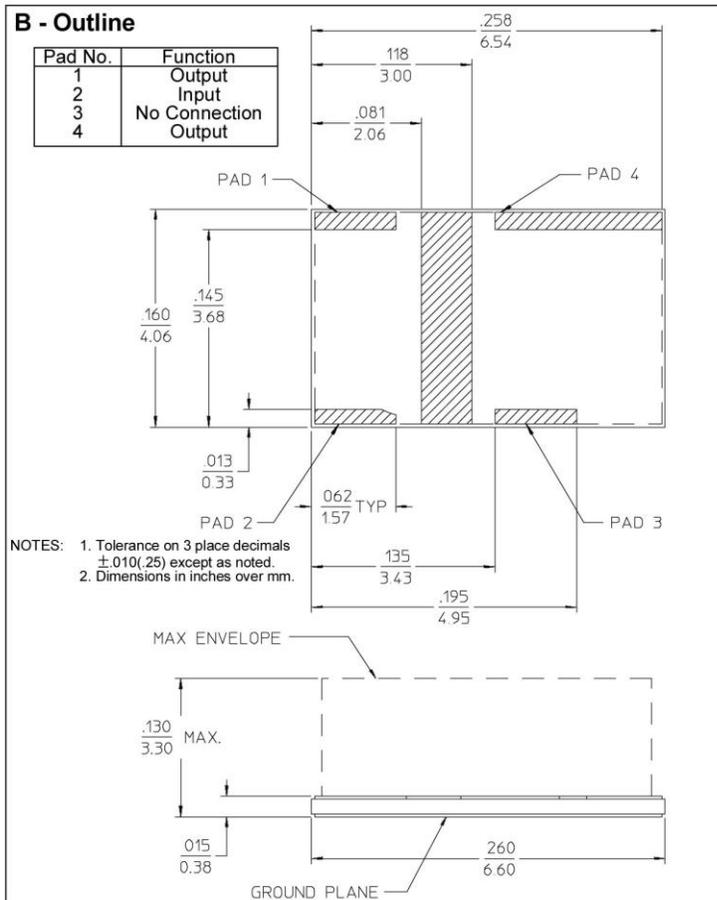
# PDZ-2B SERIES – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

- 1 to 1800 MHz
- 2-way
- Broadband
- Low Profile, CaseFree Package
- Low Weight <0.01 oz.

<b>PRINCIPAL SPECIFICATIONS</b>												
Model Number	Frequency Range, MHz	Frequency Performance, MHz	Isolation, dB,		Insertion Loss, dB,		Amplitude Balance, dB,		Phase Balance,		VSWR	
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
PDZ-2B-50	1 - 100	1 - 500	25	30	0.7	0.4	0.2	0.1	2°	1°	1.3:1	1.2:1
PDZ-2B-1000	50 - 1800	50 - 1000	20	24	0.8	0.5	0.4	0.3	4°	2°	1.5:1	1.3:1
		1000 - 1800	15	20	2.0	1.5	0.5	0.4	8°	4°	1.8:1	1.6:1



<b>GENERAL SPECIFICATIONS</b>	
Coupling:	- 3.0 dB
Impedance:	50 Ω nom.
CW Input Power:	250 mW max. <small>(When used as divider with 1.2:1 VSWR<sub>out</sub>)</small>
Internal Load Dissipation:	50 mW max.
Weight, nominal:	0.007 oz. (200 mg)
Operating Temperature:	-55° to +85°C

**General Notes:**

1. The PDZ-2B series is a *CaseFree*, lumped element power divider designed for size and process compatibility with MMIC and similar devices. The low 0.130" profile allows it to be mounted into a low profile hermetic package with other miniature components using silver epoxy, solder or wire bonding attachment methods.
2. The basic power divider is a hybrid junction with one of its ports internally terminated. For in-phase power division, such as the PDZ-2B series, the E port is internally terminated.
3. These units employ a broadband, high isolation design using lumped element technology mounted on a metallized alumina substrate. Similar units are available in surface mount and other similar packages.

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