DC Pass Power Splitter/Combiner 750 – 2,000 MHz

Data Sheet **ED2-0012-01**

FEATURES

- Low Insertion loss, 0.2 dB typical
- Frequency range of 750 to 2000 MHz
- Isolation of 15 to 20 dB typical
- Excellent input VSWR, 1.22:1 typical
- Excellent output VSWR, 1.12:1 typical
- Characteristic impedance: 50Ω
- -55˚C to +100˚C
- SMA connectors
- Up to 5W power input
- Customizable to other frequencies and bandwidths

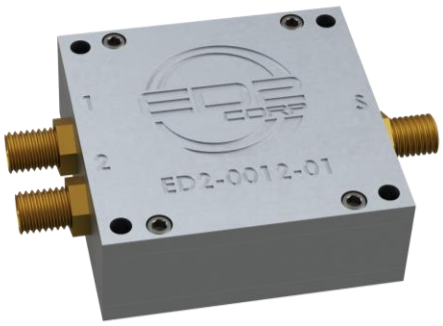
APPLICATIONS

- 5G Radio
- Radar
- Cellular
- Instrumentation
- Communications Systems
- VSAT

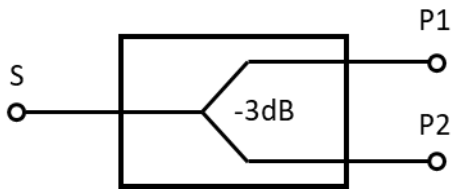
GENERAL DESCRIPTION

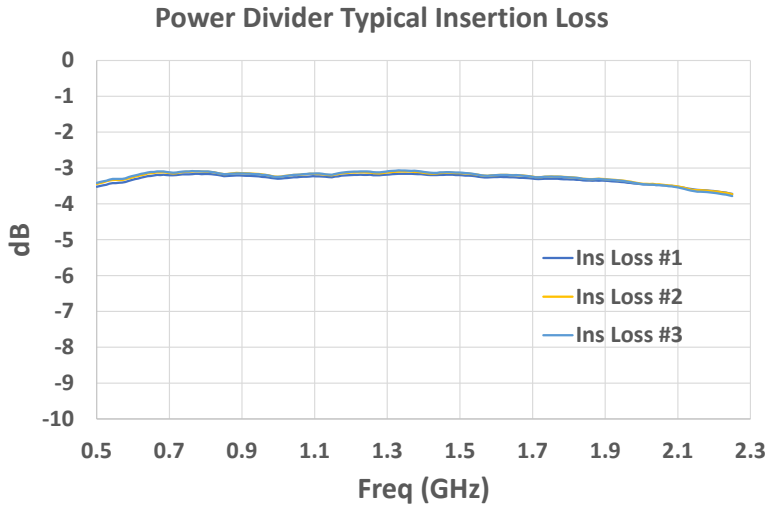
The ED2 2-way coaxial power splitter or combiner is a SMA connectorized solution for your RF subsystem needs. Designed to operate over a frequency range of 750 to 2,000 MHz as well as passing a DC signal between ports. Contact ED2 for customizing the frequency range to fit your unique requirements.

Isometric View



FUNCTIONAL BLOCK DIAGRAM





Parameter	Frequency Range (MHz)	Typ.	Max
Total Loss (dB)[1]	750 – 2,000	3.2	3.6
Input VSWR		1.2	1.6
Output VSWR		1.12	1.35
Input Power (W)			5
Internal Dissipation (W)			0.725
DC Current (mA)	400 Ea. Port		800
Size (L x W x H)	1.8 x 1.75 x 0.66 in 45.72 x 44.45 x 16.76 mm		

1. Total Loss = Insertion Loss + 3 dB Splitter Loss

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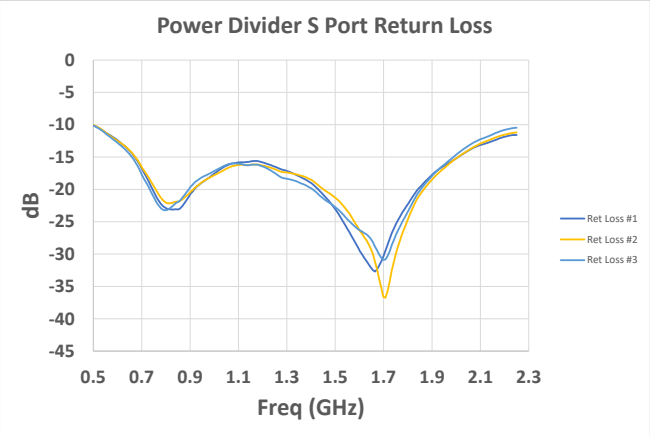
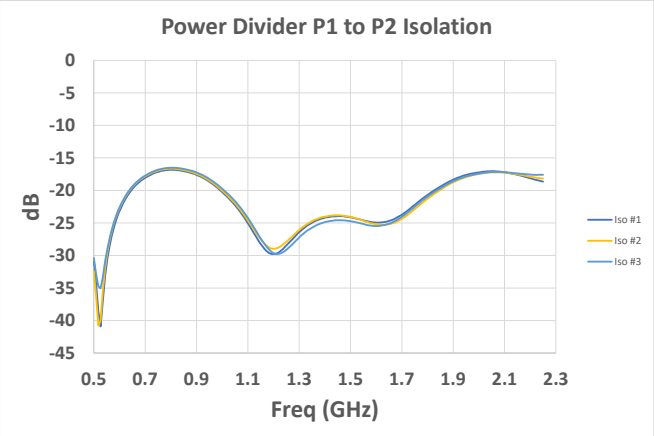
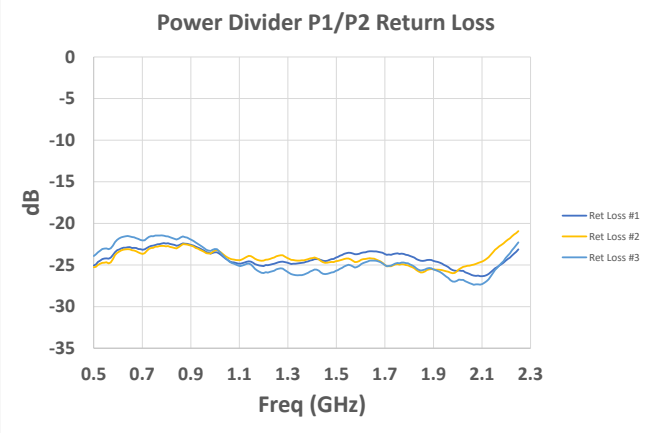
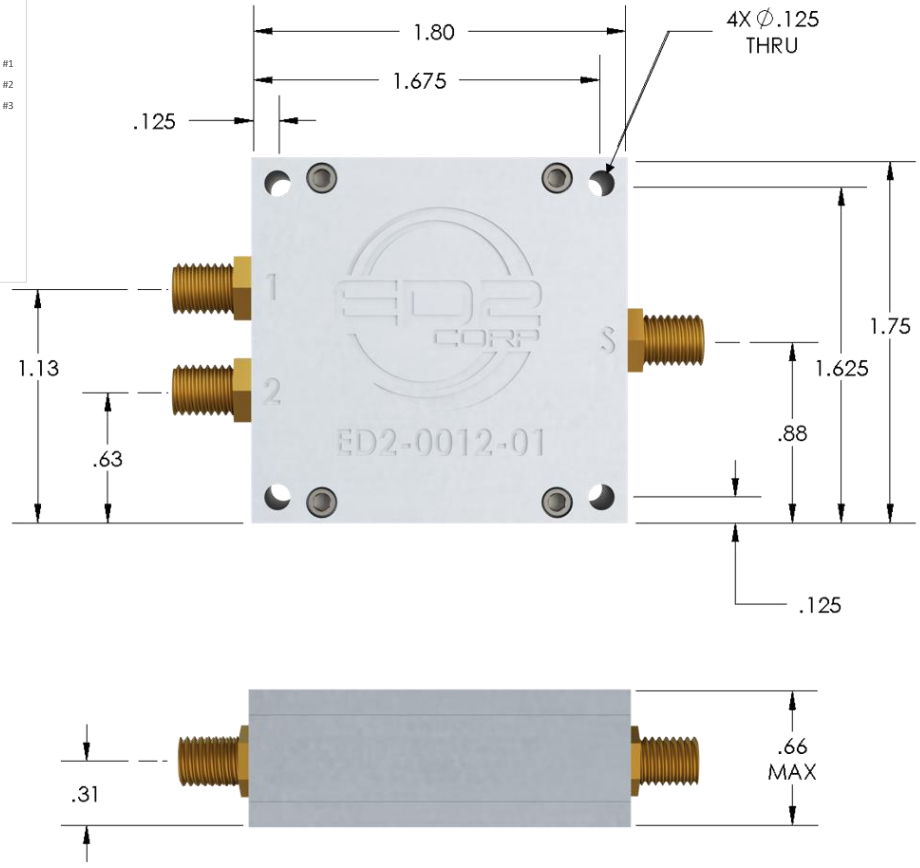
Typical Performance Data:









COMPONENT OUTLINE:

Weight
Grams
64

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