



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

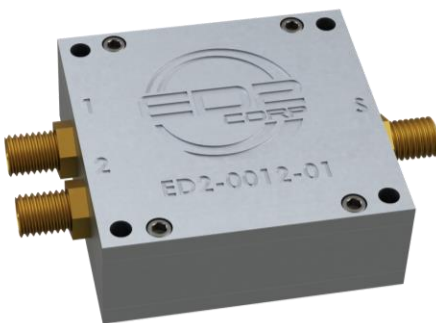
APPLICATIONS

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

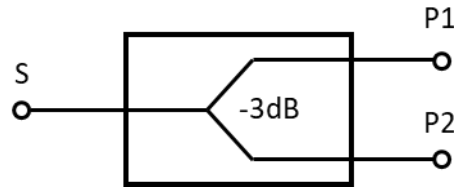
GENERAL DESCRIPTION

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.

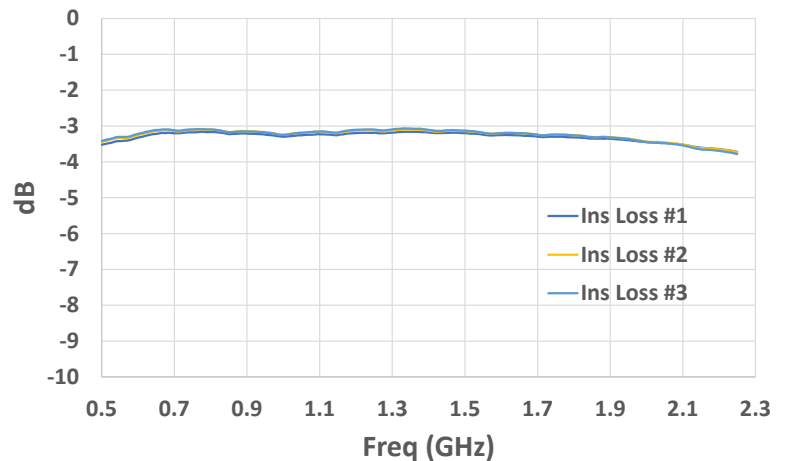
Isometric View



FUNCTIONAL BLOCK DIAGRAM



Power Divider Typical Insertion Loss



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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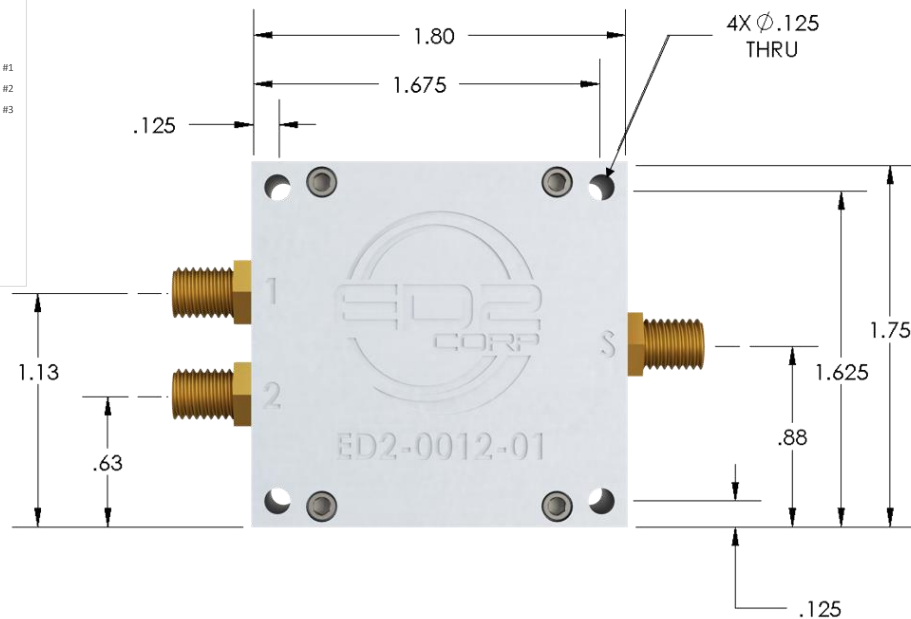
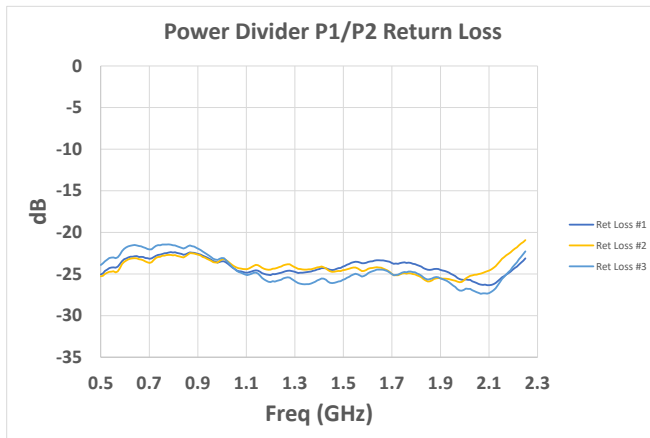
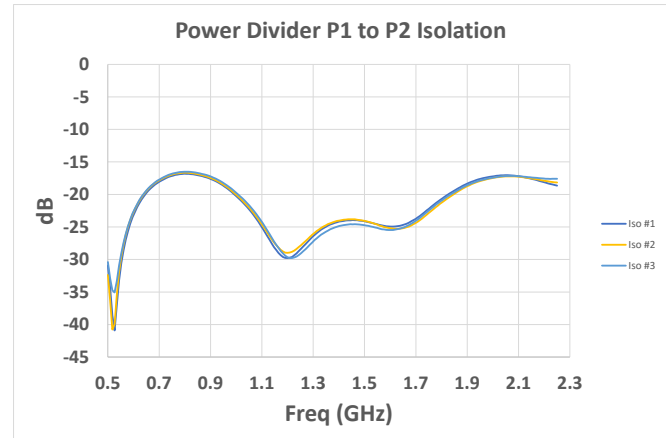
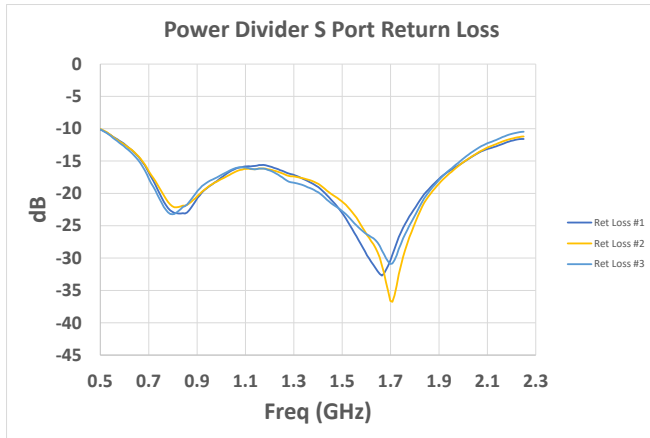


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Typical Performance Data:



COMPONENT OUTLINE:

Weight
Grams
64



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