



Electro-Photonics LLC

www.electro-photonics.com

Product Overview

Passive Components:

- 90° Hybrid Couplers
- Directional Couplers
- Microwave Filters
- Power dividers
- Resistors, Terminations and Attenuators
- Circulators & Isolators
- Waveguide

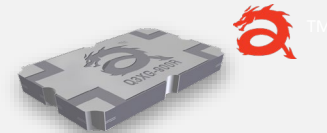
Extensive Design Experience in:

- Passive components
- RF/Microwave circuits
- 3D EM analysis

Testing and Fixturing:

- Custom RF fixtures to 20GHz
- Evaluation boards for passive components
- DC-26.5 GHz CPWG to microstrip transition/adapter

Hybrid and Directional Couplers



Hybrid Couplers:

- Tight coupling, low insertion loss, and high power. Custom designed couplers from 300 MHz to 12 GHz and power levels up to 400 W.

Directional Couplers:

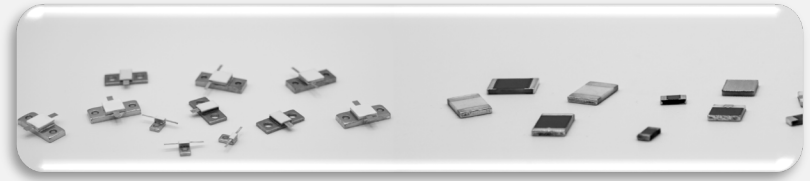
- Low insertion loss, high power capability, high directivity, flat coupling in a small package.

Connectorized Hybrid & Directional Couplers:

- Broadband high-performance couplers to 40GHz.



High Power Resistive Components



Resistors:

- Frequency: DC – 6GHz
- Power up to 1650 W

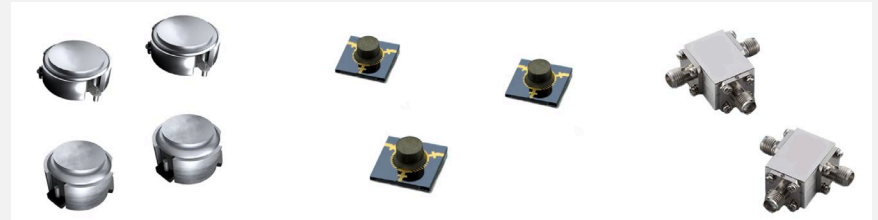
Terminations:

- Frequency: DC – 22GHz
- Power up to 1650 W

Attenuators:

- Frequency: DC – 6GHz
- Power up to 200 W

Circulators and Isolators



SMT:

- Frequency: to 6GHz
- Power up to 100 W

Microstrip:

- Frequency: to 36GHz
- Power up to 30 W

Connectorized:

- Frequency: to 40GHz
- Power up to 200 W

RF and Microwave Filters



- Connectorized filters from 300 MHz to 50 GHz.
- SMT dielectric Filters





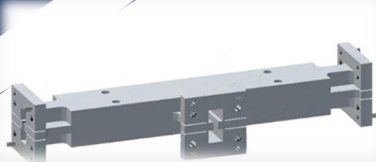
Power Dividers/Combiners



- Connectorized power dividers from 100 MHz to 50 GHz and up to 500W.
- SMT power dividers to 18GHz



Waveguide Components

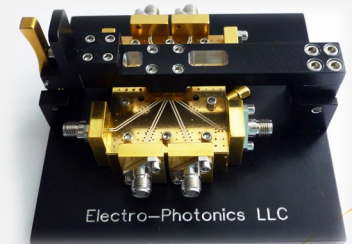


- Power combiners/dividers to 18GHz
- Waveguide to coaxial adapters
- Flex waveguide

Test Fixtures

Custom Test Fixtures:

RF & Microwave test fixture for exceptionally accurate and repeatable measurements.



Evaluation Boards:

RF & Microwave evaluation boards for testing various passive components to 18GHz.



T&M Accessories



- Probe Pads:

DC – 26.5GHz, CPWG to microstrip transition/adapter for on-wafer microwave measurements, microwave integrated circuits and device characterization.

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