

**Electro-Photonics LLC**

ELECTRO - PHOTONICS

WAVES INTO THE FUTURE



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# Overview

## Extensive Design Experience in:

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

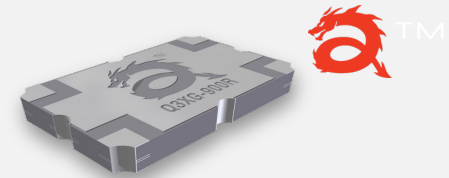
## SMT Passive Components:

- 90° Hybrid Couplers
- Directional Couplers
- Microwave Filters
- Power dividers
- T&M Accessories

## Testing and Fixturing:

- Custom RF fixtures to 20GHz
- Evaluation boards for passive components
- Transmission Lines on Alumina and Quartz

# SMT Passive Components



## 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.

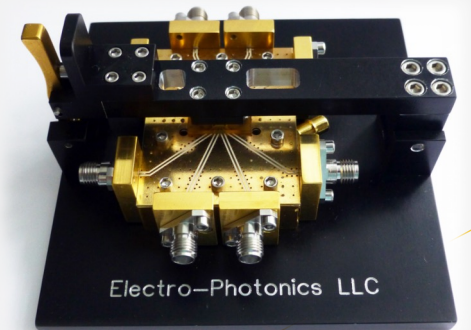




# Testing and Fixturing

## 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.





# RF and Microwave Filters



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

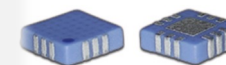




# Power Dividers



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

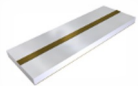


# T&M Accessories

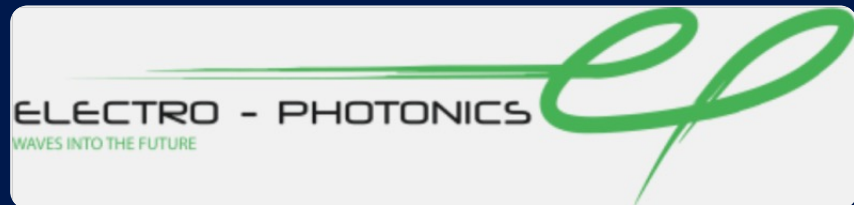


- ProbePads:

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



- 50 Ohm microstrip t-lines on Alumina and Quartz ( $\text{SiO}_2$ )



# CONTACT US

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