

# EPD-2Q-SF

2-WAY POWER DIVIDER/COMBINER, 0°, 2.0 – 18 GHz, 10 W

REV 1.00



The EPD-2R-SF is an ultra-wide bandwidth 2-way 0° power divider that delivers exceptional performance in a small package size.

### Features and Applications

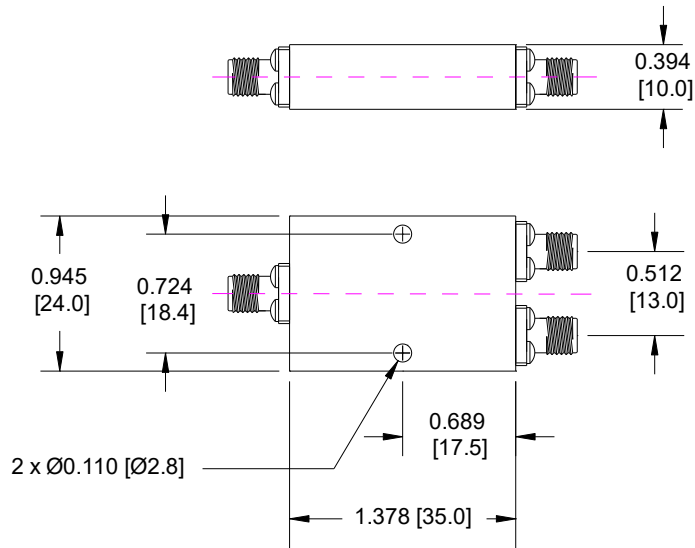
- 2 to 18GHz in-phase power splitting
- Compact size
- Low insertion loss
- Electronic Warfare, Radar, Test & Measurements

## ELECTRICAL SPECIFICATIONS

| PARAMETER              | SPECIFICATION                  |
|------------------------|--------------------------------|
| FREQUENCY RANGE        | 2.0 – 18 GHz                   |
| EXCESS INSERTION LOSS* | 1 dB                           |
| ISOLATION              | 18 dB                          |
| VSWR                   | 1.4                            |
| AMPLITUDE BALANCE      | ± 0.5 dB                       |
| PHASE BALANCE          | ± 5°                           |
| POWER HANDLING         | Forward: 10 W<br>Reverse: 0.5W |

\*Excess IL = (Common Port to Output Port IL) – 3dB

## MECHANICAL OUTLINE



Units: inches [mm]

## MECHANICAL SPECIFICATIONS

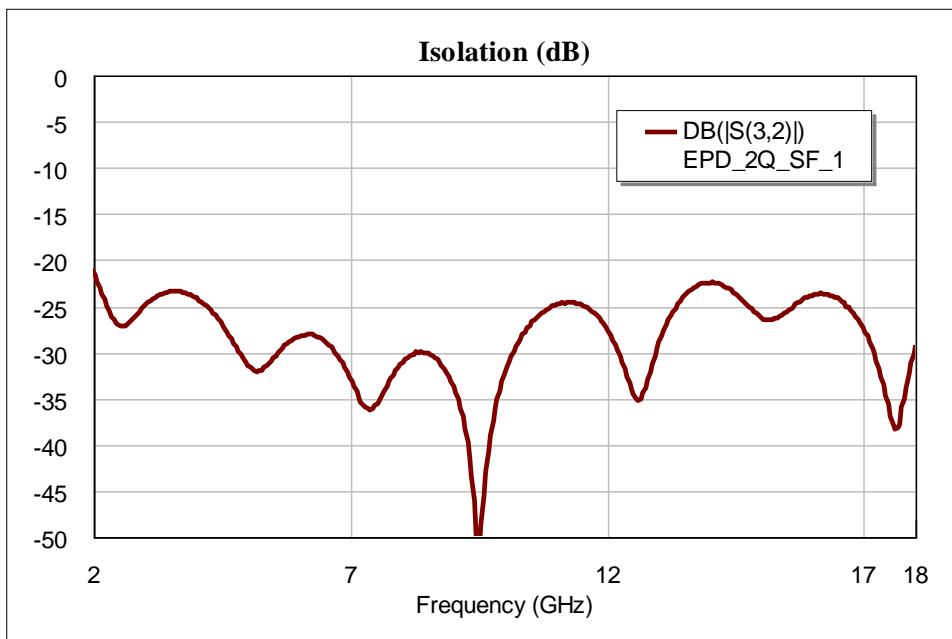
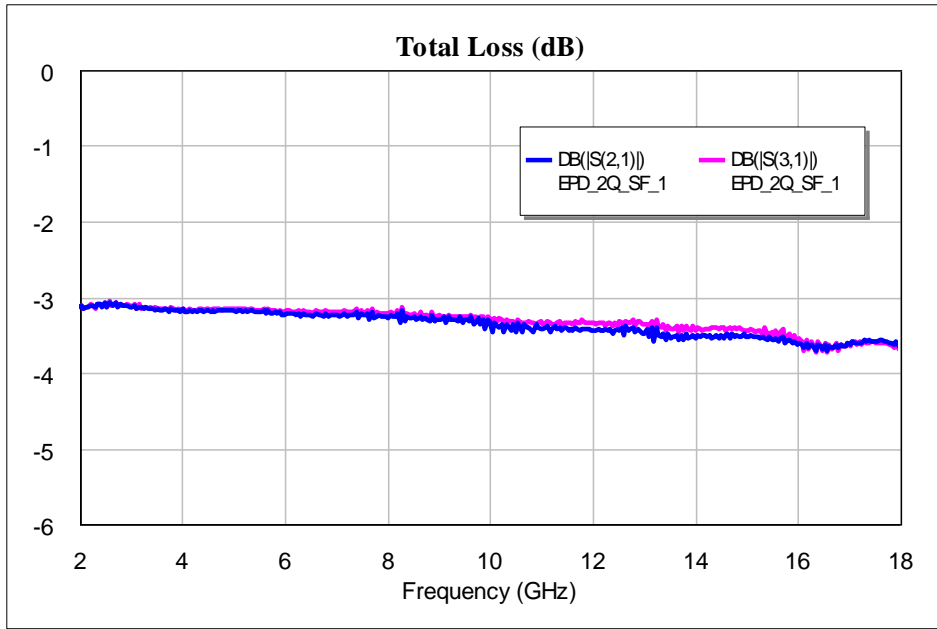
| PARAMETER          | SPECIFICATION  |
|--------------------|----------------|
| MATING INTERFACE   | SMA (F)        |
| OPERATING TEMP     | -55 TO +85 °C  |
| NON-OPERATING TEMP | -55 TO +100 °C |
| FINISH             | Black Paint    |

## ORDERING INFO

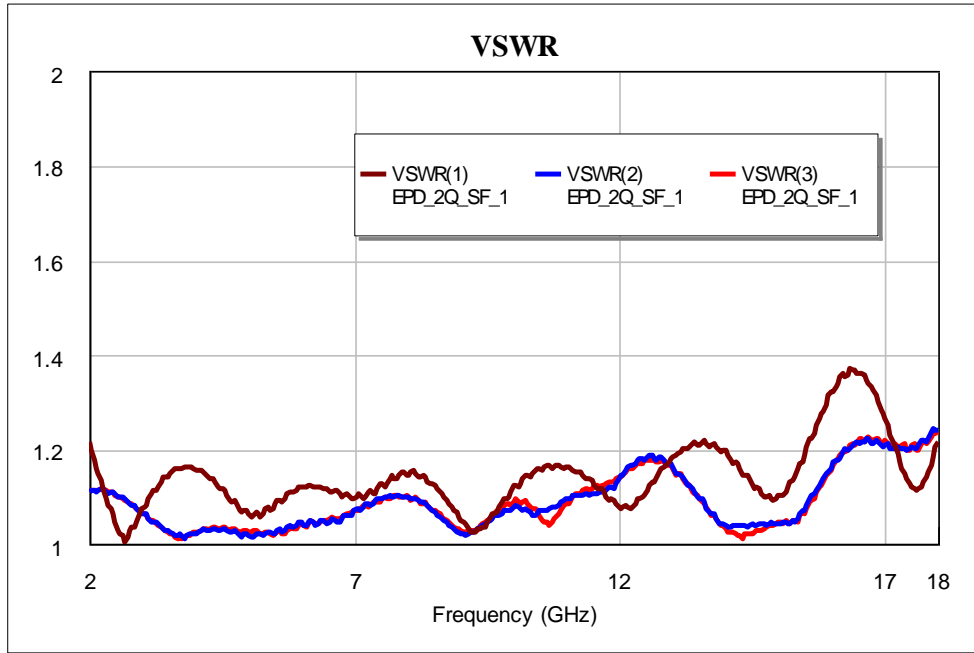
| EPD           | - | 2R                    | - | SF        |
|---------------|---|-----------------------|---|-----------|
| PRODUCT CODE  |   | UNIT CODE             |   | CONNECTOR |
| POWER DIVIDER |   | 2-WAY<br>2.0 – 18 GHz |   | SMA (F)   |

Electro-Photonics LLC reserves the right to modify drawings, configurations, specifications, and design at any time without prior notification.

## TYPICAL PERFORMANCE



Electro-Photonics LLC reserves the right to modify drawings, configurations, specifications, and design at any time without prior notification.



The EPD-2Q-SF is lead free, RoHS compliant product.