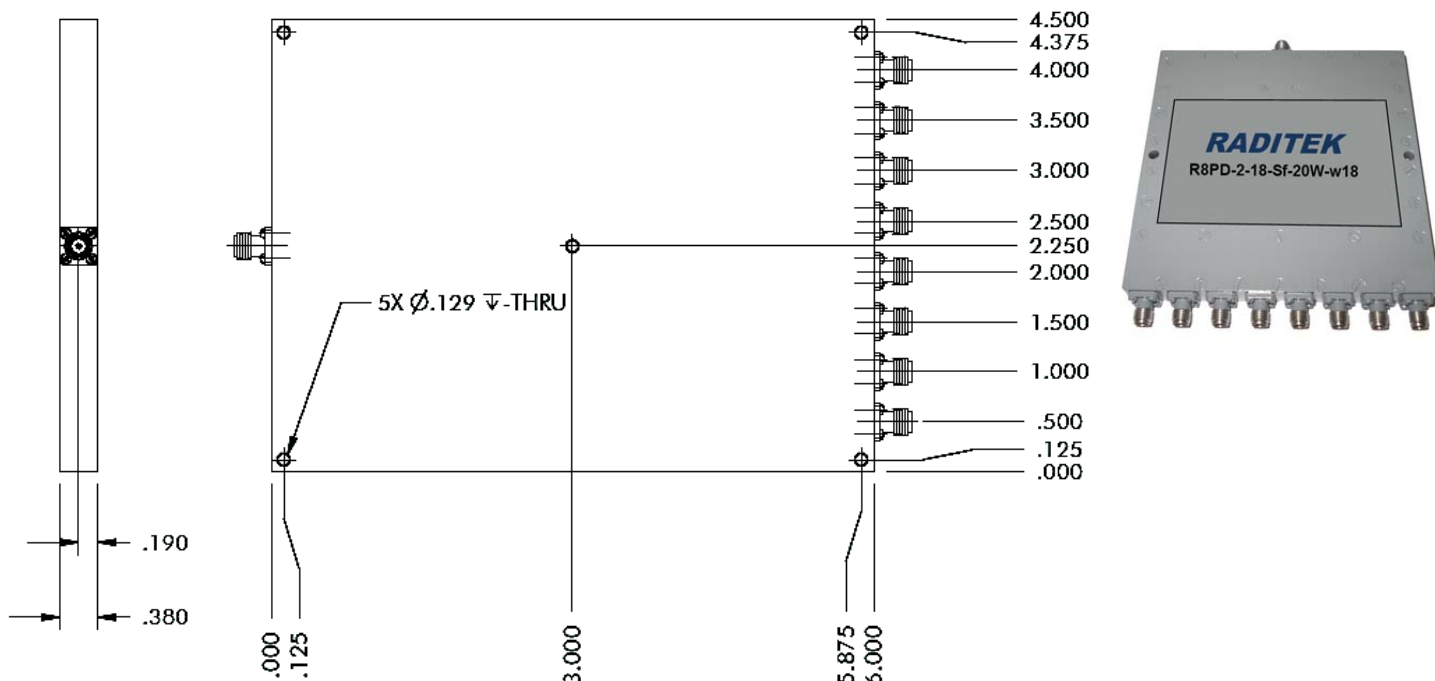


## 8-Way Power Divider, 2-18GHz Split Band SMA Female Connectors, 10Watts /20Watts/ 30Watts



ALL LENGTH DIMENSIONS TOLERANCE  $\pm 0.010$ " UNLESS OTHERWISE SPECIFIED.  
ALL DIAMETER DIMENSIONS TOLERANCE  $\pm 0.005$ " UNLESS OTHERWISE SPECIFIED.

Units: inches  
Not to scale

### Order Examples: R8PD-2.0-10.2-Sf-10W-w18

Description: (8 Way Power Divider, 2.0-10.2GHz, SMA female connectors, 10Watts)

| Specifications        |                                 |                                 |                                 | Units                     |
|-----------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------|
| Frequency Range       | 2.0-10.2                        | 2-18                            | 2-18                            | GHz                       |
| Insertion Loss        | 1.5                             | 2.4                             | 2.4                             | dB max (above 9-dB split) |
| Input Power           | 10                              | 10                              | 30                              | Watts max                 |
| Input/output VSWR     | 1.8:1                           | 1.9:1                           | 1.9:1                           | max                       |
| Isolation             | 20                              | 16                              | 16                              | dB min                    |
| Phase Balance         | 5                               | 15                              | 15                              | deg. max.                 |
| Amplitude Balance     | 0.5                             | 1.0                             | 1.0                             | dB max.                   |
| Operating Temperature | -40 to +85<br>(Tested at +25°C) | -40 to +85<br>(Tested at +25°C) | -40 to +65<br>(Tested at +25°C) | °C                        |
| Environment           | Indoor Use Only                 | Indoor Use Only                 | Indoor Use Only                 |                           |
| RF Interface          | SMA Female, 50 $\Omega$         | SMA Female, 50 $\Omega$         | SMA Female, 50 $\Omega$         |                           |
| Material              | Aluminum 6061-T6                | Aluminum 6061-T6                | Aluminum 6061-T6                |                           |
| Finish                | Grey Acrylic Paint              | Grey Acrylic Paint              | Grey Acrylic Paint              |                           |

Rated power for use as a coherent splitter into a load VSWR of 1.2:1 max  
RoHS/REACH-compliant version available

R8PD-2-18-Sf-xW-Generic-w18

Specifications may be subject to change

09/07/16

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: [www.raditek.com](http://www.raditek.com)

E-mail: [sales@raditek.com](mailto:sales@raditek.com)

## **8-Way Power Divider, 2-18GHz Split Band SMA Female Connectors, 10Watts /20Watts/ 30Watts**

| Specifications        |                                                 |  |  | Units                     |
|-----------------------|-------------------------------------------------|--|--|---------------------------|
| Frequency Range       | 2-18                                            |  |  | GHz                       |
| Insertion Loss        | 2.4                                             |  |  | dB max (above 9-dB split) |
| Input Power*          | 20                                              |  |  | Watts max                 |
| Input/output VSWR     | 1.9:1                                           |  |  | max                       |
| Isolation             | 16                                              |  |  | dB min                    |
| Phase Balance         | 15 ( $\pm 7.5$ )                                |  |  | deg. max.                 |
| Amplitude Balance     | 1.0                                             |  |  | dB max.                   |
| Operating Temperature | 0 to +40<br>(Tested at +25°C)                   |  |  | °C                        |
| Environment           | Indoor Use Only                                 |  |  |                           |
| RF Interface          | SMA Female, 50 $\Omega$                         |  |  |                           |
| Material              | Aluminum 6061-T6                                |  |  |                           |
| Finish                | Grey Acrylic Paint<br>(except mounting surface) |  |  |                           |

Rated power for use as a coherent splitter into a load VSWR of 1.2:1 max

\* Unit should be mounted to a heatsink with adequate ventilation at full power.

RoHS/REACH-compliant version available