



## DESIGNER'S KIT K2-BW2+

# Fixed Attenuators

50Ω DC to 18GHz



### FEATURES

- 2 W input power, 50 Ω
- 3, 6, 10, 20, 30 and 40 dB attenuators
- Precision attenuation
- Very broad band
- Excellent VSWR, 1.25:1 typ.
- Stainless steel SMA male & female connectors
- Length less than 1"

MINI-CIRCUITS DESIGNER'S KITS  
**SPEED UP**  
THE SOLUTION



### K2-BW2+ ELECTRICAL SPECIFICATIONS

(6 models, 1 of each, 6 total)

| Model     | Frequency<br>(GHz)<br>$f_L$ - $f_U$ | Attenuation <sup>1</sup> (dB) |            | VSWR <sup>2</sup> (:1) |                 |                    | Input<br>Power <sup>3</sup> (W)<br>Max. |
|-----------|-------------------------------------|-------------------------------|------------|------------------------|-----------------|--------------------|-----------------------------------------|
|           |                                     | Nominal                       | Accuracy   | DC-4 GHz<br>Max.       | 4-8 GHz<br>Max. | 8-12.4 GHz<br>Max. |                                         |
| BW-S3W2+  | DC - 18                             | 3                             | ±0.40      | 1.20                   | 1.25            | 1.30               | 2                                       |
| BW-S6W2+  | DC - 18                             | 6                             | ±0.40      | 1.20                   | 1.25            | 1.30               | 2                                       |
| BW-S10W2+ | DC - 18                             | 10                            | ±0.60      | 1.20                   | 1.25            | 1.30               | 2                                       |
| BW-S20W2+ | DC - 18                             | 20                            | -0.5, +0.8 | 1.20                   | 1.25            | 1.30               | 2                                       |
| BW-S30W2+ | DC - 18                             | 30                            | ±0.85      | 1.20                   | 1.25            | 1.30               | 2                                       |
| BW-S40W2+ | DC - 18                             | 40                            | -0.5, +1.5 | 1.20                   | 1.25            | 1.30               | 2                                       |

<sup>1</sup>. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attention .0004 dB/dB/°C° typ.

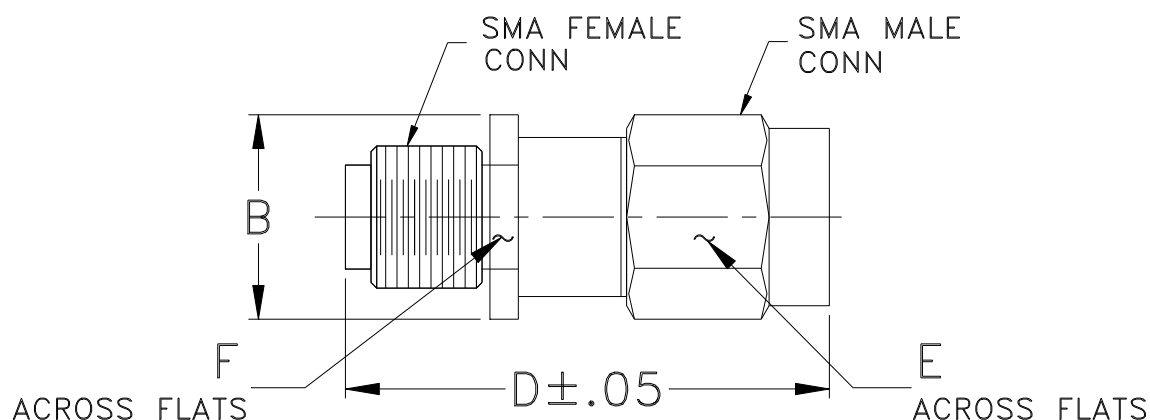
<sup>2</sup>. VSWR from 12.4 to 18 GHz, 1.6:1 typ.

<sup>3</sup>. Average power at 25°C ambient, derate linearly to 0.5 W at 100°C. Peak power 125 W max. 5μsec pulse width, 100 Hz PRF.

## Outline Dimensions

FF658

FF659



| CASE #. | A  | B             | C  | D              | E              | F              | WT GRAMS |
|---------|----|---------------|----|----------------|----------------|----------------|----------|
| FF658   | -- | .36<br>(9.14) | -- | .85<br>(21.59) | .312<br>(7.92) | .312<br>(7.92) | 4.3      |
| FF659   | -- |               | -- | .99<br>(25.15) |                |                | 5.1      |

Dimensions are in inches (mm). Tolerances: 2Pl.  $\pm .03$ ; 3Pl.  $\pm .015$

### Note:

- Case material: Stainless steel.