

## FEATURES

- ❑ Small Size
- ❑ High Accuracy
- ❑ High Stability
- ❑ Rugged Design

## APPLICATIONS

- ❑ Wireless Communication
- ❑ Laboratory Test



## Electrical Specifications

Frequency Range	0.1~18GHz
Attenuation Range/Steps	0~99dB in 1dB steps
Attenuation Accuracy	±0.8dB (0~9dB) ±1.0dB (10~19dB) ±1.5dB (20~49dB) ±2.0dB (50~69dB) ±2.5dB (70~99dB)
VSWR	1.75 max.
Insertion Loss	1.5 max.
Impedance	50 Ohms
Average Power	2W or 5W
Peak Power	200 Watts (5μs pulse width, 0.5% duty cycle)

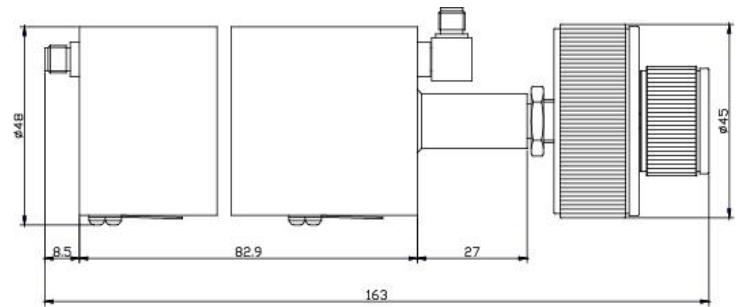
## Mechanical Specifications

Connector	SMA female to SMA female
Connector Material	Stainless Steel
Female Pin	Beryllium Copper, Gold Plated
Housing	Aluminum
Temperature Range	0°C ~ +54°C
Weight	480g
Size	163×Ø48mm
RoHS Status	RoHS Compliant

## Ordering Information

<b>XW</b>	<b>SA</b>	<b>16348</b>	<b>-</b>	<b>18</b>	<b>-</b>	<b>99</b>	<b>-</b>	<b>S</b>
RF Connector								
S: SMA female to SMA female								
Max Attenuation Value(dB)								
Max Frequency(GHz)								
Attenuator Dimensions(mm)								
Step Attenuator								
Average Power ▷ options: 2W, 5W								

## Outline Drawings[mm]



\* XWSA16348-18-99-S becomes: **2WSA16348-18-99-S** when average power 2W is desired.  
\* XWSA16348-18-99-S becomes: **5WSA16348-18-99-S** when average power 5W is desired.