

FEATURES

- High Accuracy
- High Stability
- Rugged Design

APPLICATIONS

- Wireless Communication
- Laboratory Test



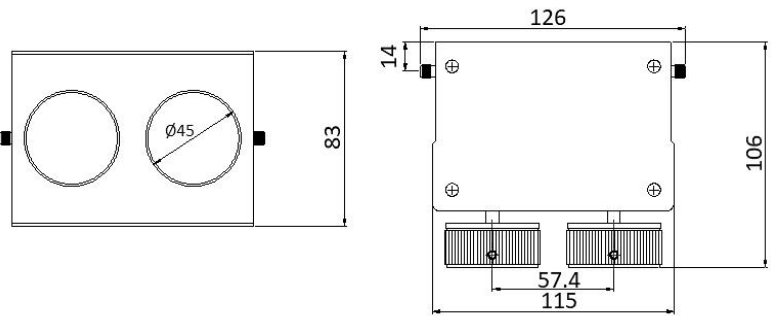
Electrical Specifications

Frequency Range	DC~12.4GHz
Attenuation Range/Steps	0~69dB in 1dB steps
Attenuation Accuracy	±0.8dB (0~9dB) ±1.0dB (10~19dB) ±1.5dB (20~49dB) ±2.0dB (50~69dB)
VSWR	1.5 max.
Insertion Loss	1.5 max.
Impedance	50 Ohms
Average Power	2W or 10W
Peak Power	200 Watts (5µs pulse width, 0.5% duty cycle)

Mechanical Specifications

Connector	SMA(f-f), N(m-f), or 3.5mm(f-f)
Connector Material	Brass Nickel Plated
Male Pin	Brass Gold Plated
Female Pin	Beryllium Copper, Gold Plated
Housing	Aluminum, Anodic Oxidation
Temperature Range	0°C ~ +54°C
Size	2W: 115×106×83mm 10W: 126×106×83mm
RoHS Status	RoHS Compliant

Outline Drawings[mm]



Ordering Information

XW	SA	10683	-	12.4	-	69	-	Y
RF Connector								
S: SMA female to SMA female								
N: N male to N female								
3: 3.5mm female to 3.5mm female								
Max Attenuation Value(dB)								
Max Frequency(GHz)								
Attenuator Dimensions(mm)								
Step Attenuator								
Average Power ▷ options: 2W, 10W								

- ▶ XWSA10683-12.4-69-Y becomes: **2WSA10683-12.4-69-S** when average power is 2 watts and connectors are SMA female.
- ▶ XWSA10683-12.4-69-Y becomes: **10WSA10683-12.4-69-N** when average power is 10 watts and connectors are N male to N female