

# Low PIM Attenuator

# RALXX100FA-A

555-6000MHz, 100 Watts, 160dBC, 4.3-10 Connector



Rev 3

### Electrical

<b>Impedance</b>	50 ohm				
<b>Frequency Range</b>	555-6000 MHz				
<b>Return Loss</b>	≥18dB(Input Port)				
<b>Input Avg Power</b>	100W				
<b>PIM (Intermod)</b>	-160dBc min (with 2×20W tones at 850&2600MHz@25°C)				
<b>Direction</b>	Unidirectional, 4.3-10 female input, 4.3-10 female output (other configurations available)				
<b>Attenuation(dB)</b>	6	10	15	20	30
<b>Accuracy(dB)</b>	±2	±2	±2	±2	±2

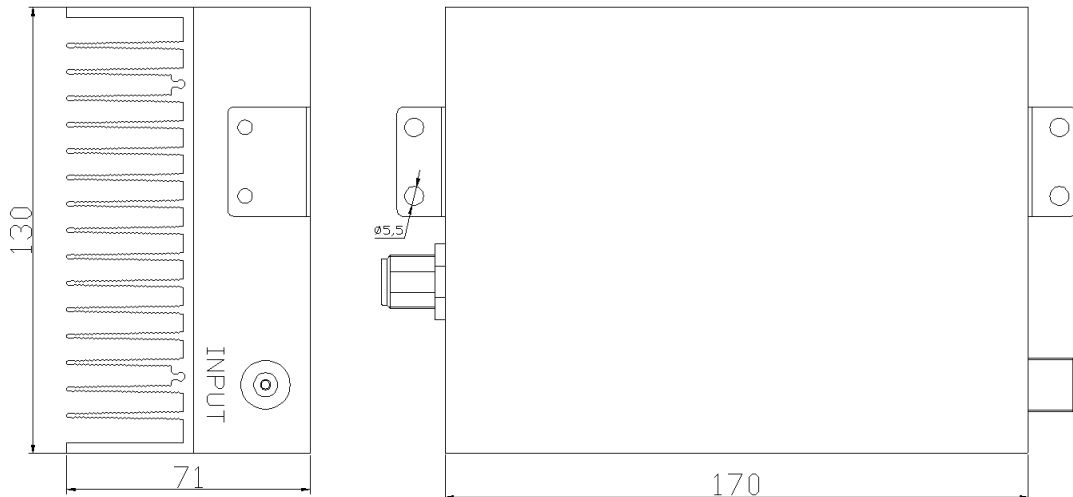
### Mechanical

<b>Connector Body</b>	Ternary alloy plated brass
<b>Heat Sink</b>	Black anodized aluminum
<b>Center Contact</b>	Silver plated beryllium copper
<b>Weight</b>	Approx 1500g

### Environmental

<b>Operating Temp</b>	-40°C to 75°C
<b>RoHS</b>	Compliant
<b>Ingress Protection</b>	IP40 (IP65 available upon request)

### Dimensions(mm)



### Notes

1. Always pay attention to the direction of attenuators.
2. To maintain best performance, recommended to use fan to keep the case temperature under 85°C.
3. Customized dB values, outlines and optimal accuracy/VSWR available.

### Model Description

#### RALXX100FA-A

1. XX for dB value: 06=6dB, 30=30dB
2. Code for connector configuration:  
 A=female for two ends; B=male for two ends  
 C=female for input and male for output;  
 D=male for input and female for output.