

# Low PIM Attenuator

## RALXX300NA



**\*555-6000MHz, 300 Watts, 160dBC, N Type Connector**

Rev 2

### Electrical

|                 |                                                                                  |  |  |  |  |  |
|-----------------|----------------------------------------------------------------------------------|--|--|--|--|--|
| Impedance       | 50 ohm                                                                           |  |  |  |  |  |
| Frequency Range | *555-6000 MHz for 6-30dB, 555-4000MHz for 40dB                                   |  |  |  |  |  |
| Return Loss     | ≥ 18dB (Input Port)                                                              |  |  |  |  |  |
| Input Avg Power | 300W                                                                             |  |  |  |  |  |
| PIM (Intermod)  | -160dBc min (with 2×20W tones at 850&2600MHz@25℃)                                |  |  |  |  |  |
| Direction       | Unidirectional, N female input, N female output (other configurations available) |  |  |  |  |  |

|                 |    |    |    |    |    |     |
|-----------------|----|----|----|----|----|-----|
| Attenuation(dB) | 6  | 10 | 15 | 20 | 30 | *40 |
| Accuracy(dB)    | ±2 | ±2 | ±2 | ±2 | ±2 | ±2  |

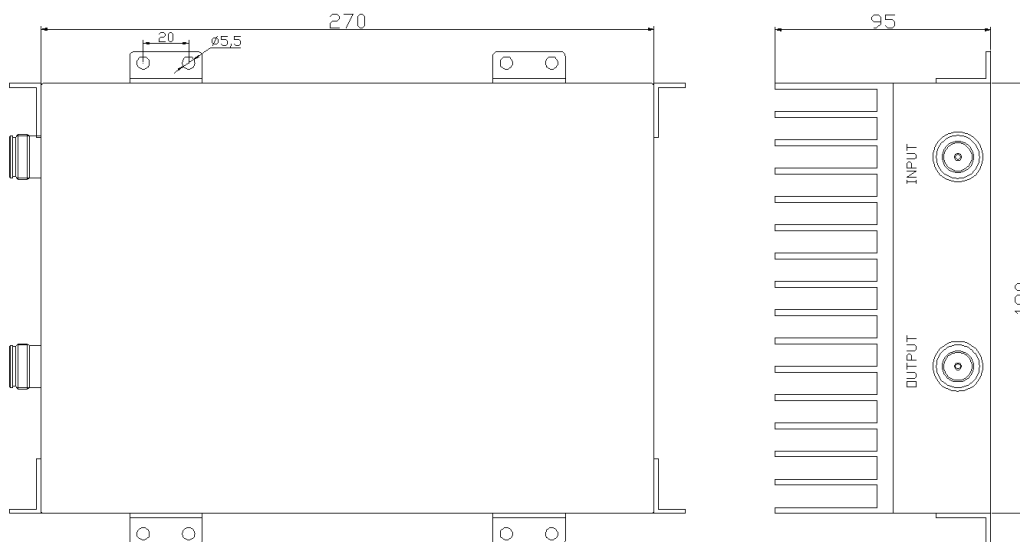
### Mechanical

|                |                                |
|----------------|--------------------------------|
| Connector Body | Ternary alloy plated brass     |
| Heat Sink      | Black anodized aluminum        |
| Center Contact | Silver plated beryllium copper |
| Net Weight     | About 5 kg                     |

### Environmental

|                    |                                       |
|--------------------|---------------------------------------|
| Operating Temp     | -40℃ to 75℃                           |
| RoHS               | Compliant                             |
| Ingress Protection | IP40<br>(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℃.
- 3.Customized dB values, outlines and optimal accuracy/VSWR available.

### Model Description

#### **RALXX300NA**

- 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.