

## Main specifications

| Parameters  | Min | Typical | Max  | Units |
|-------------|-----|---------|------|-------|
| Frequency   | 0   | ~       | 18   | GHz   |
| Attenuation | 6.5 | 7       | 7.5  | dB    |
| VSWR        |     | 1.2     | 1.35 |       |

## Other parameters

|                        |                             |
|------------------------|-----------------------------|
| Power Capacity         | 5W Design assurance         |
| Impedance              | 50Ω                         |
| Peak power             | 100W设计保证,1%占空比,1us。         |
| Connector              | SMA-JK                      |
| Connector material     | Stainless steel             |
| Surface                | Black anodizing             |
| Product shell material | Aluminium                   |
| Operation Temp.        | -55~+125°C Design assurance |
| Other                  | 满功率使用时额外增加风冷                |

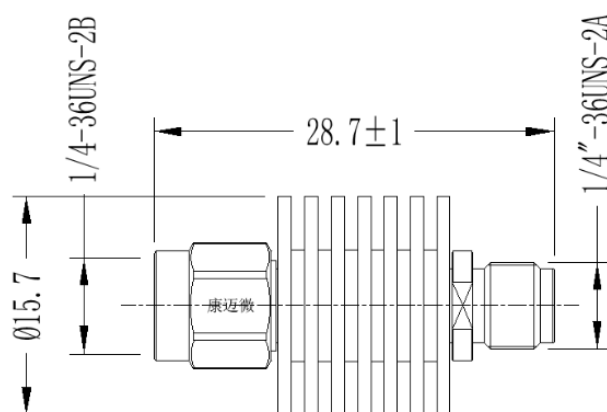
## Note

1. When installing attenuators, it is necessary to consider sufficient heat dissipation space and avoid installing them next to equipment with high heat output, otherwise the power capacity will decrease;
2. Small power attenuators do not have input and output directions, nor do they indicate directions. When high-power attenuators have input and output port markings, they must be connected to the equipment in the specified direction, otherwise the attenuator may burn out.

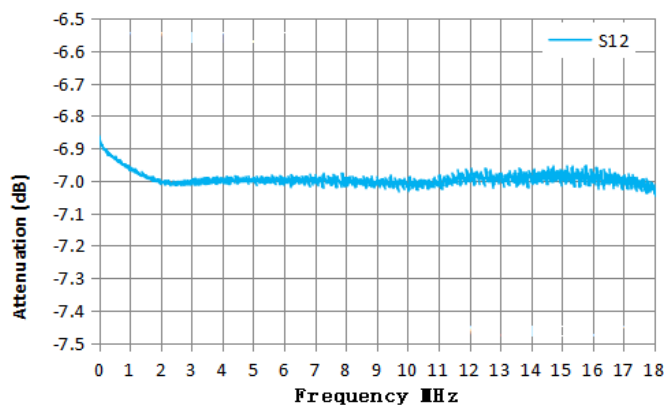
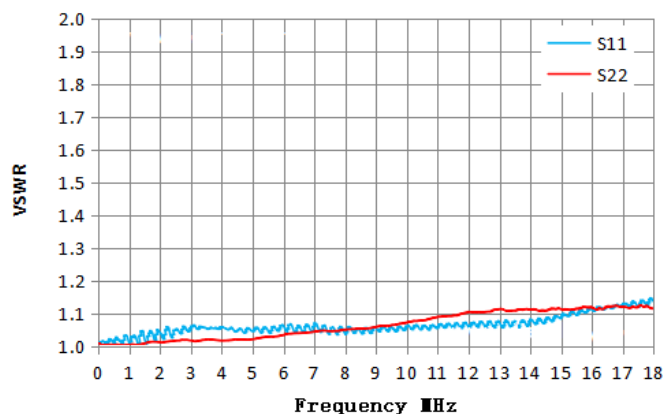
## Reference picture



## Configuration(mm)



## Typical test curve



Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

## Typical test data

| Frequency GHz | S11<br>VSWR | S22<br>VSWR | S12<br>Attenuation |
|---------------|-------------|-------------|--------------------|
| 0.01          | 1.01        | 1.01        | -6.86              |
| 1.62          | 1.03        | 1.01        | -6.99              |
| 2.86          | 1.05        | 1.02        | -7.00              |
| 4.29          | 1.06        | 1.02        | -6.99              |
| 5.71          | 1.06        | 1.03        | -7.01              |
| 7.25          | 1.05        | 1.05        | -7.02              |
| 8.57          | 1.04        | 1.05        | -6.99              |
| 10.10         | 1.06        | 1.07        | -6.99              |
| 11.43         | 1.06        | 1.09        | -7.01              |
| 12.86         | 1.06        | 1.11        | -6.99              |
| 14.29         | 1.08        | 1.11        | -6.98              |
| 15.51         | 1.10        | 1.12        | -6.97              |
| 17.14         | 1.13        | 1.12        | -7.00              |
| 18.00         | 1.14        | 1.12        | -7.03              |

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