

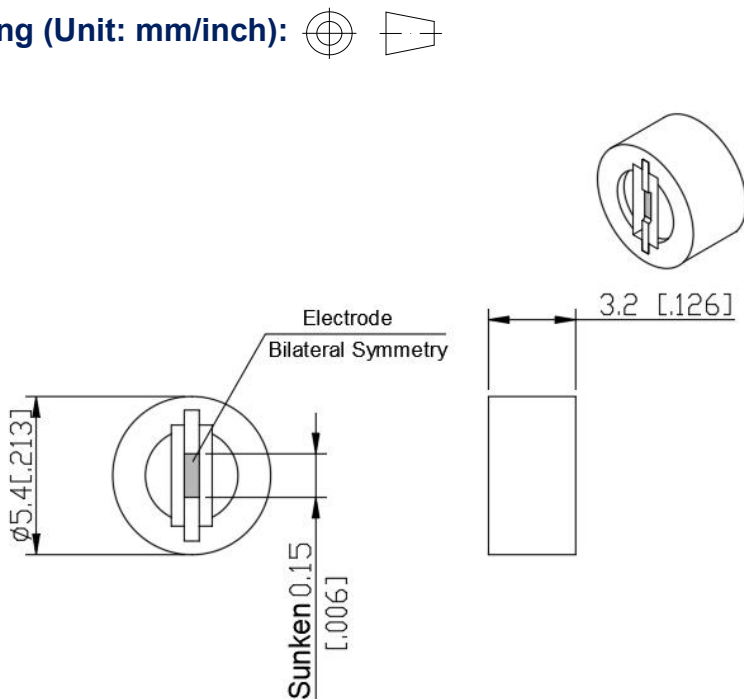


Microstrip Attenuator With Sleeve

◆Features and Electrical specifications:

Model	RFTXXA-02TA5432-18 (XX=Attenuation value)
Resistance Range	50 Ω
Frequency Range	DC~18.0GHz
Power	2 W
Attenuation(dB)	01-10
Attenuation Tolerance(dB)	±0.5
VSWR	1.30 Max
Temperature Coefficient	<150ppm/°C
Substrate material	Al ₂ O ₃
Sleeve Material	Copper (silver plated)
Resistance Process	Thick Film
Operating Temperature	-55 to +125°C (See de Power De-rating)
ROHS Compliant	Yes

◆Outline Drawing (Unit: mm/inch):



Diameter tolerance: ±0.05, length tolerance: ± 0.05

This size is limited to 1-10dB.

For larger attenuation values, the length of 3.2 will be extended to 6.5

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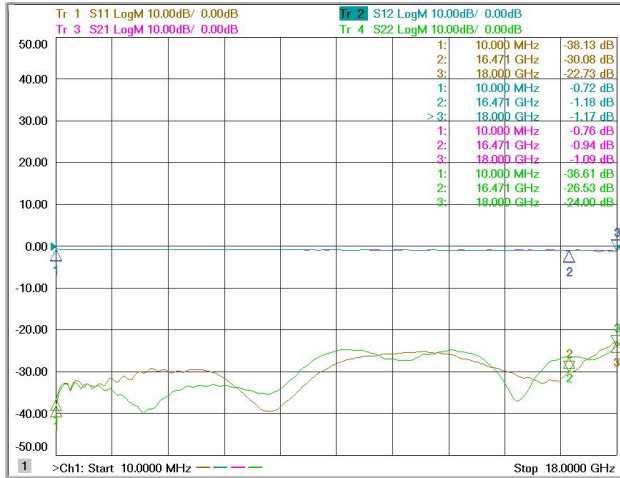
218# Wenwu Middle Road, Jinkai District, Mianyang, Sichuan Province China

Ready For Tackling Your Trouble

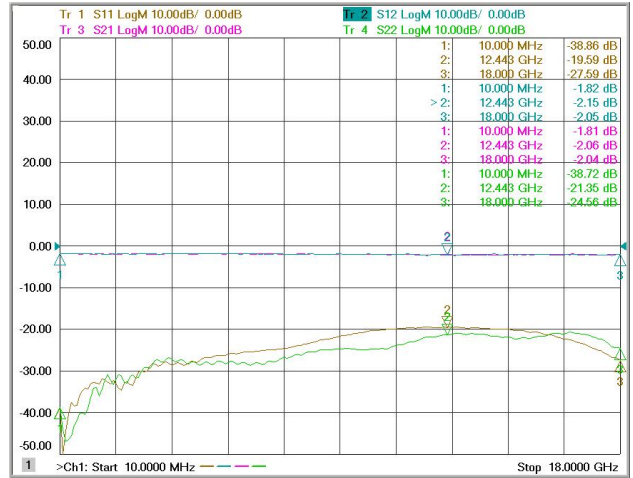


◆ Typical Performance:

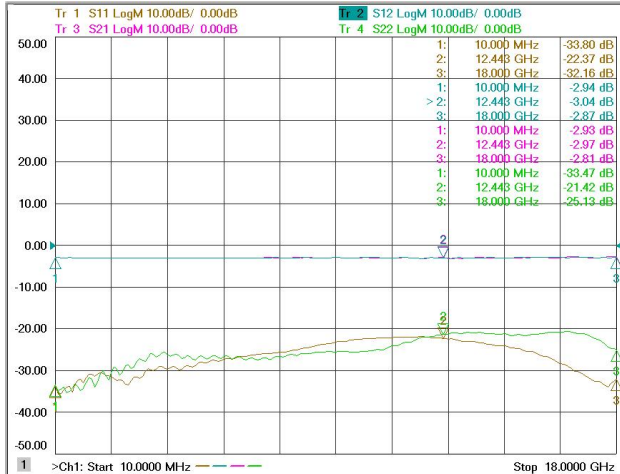
1dB Graph



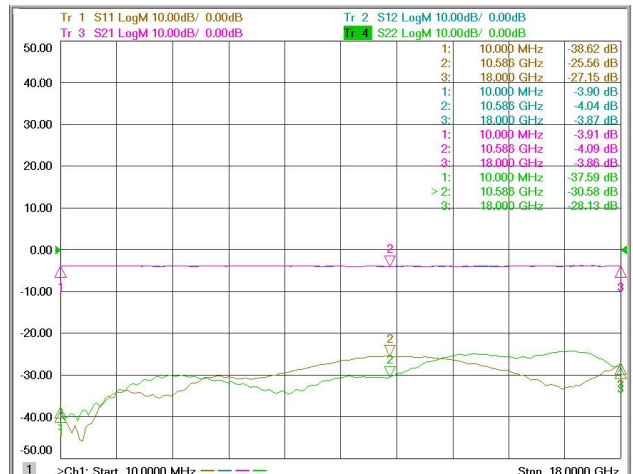
2dB Graph



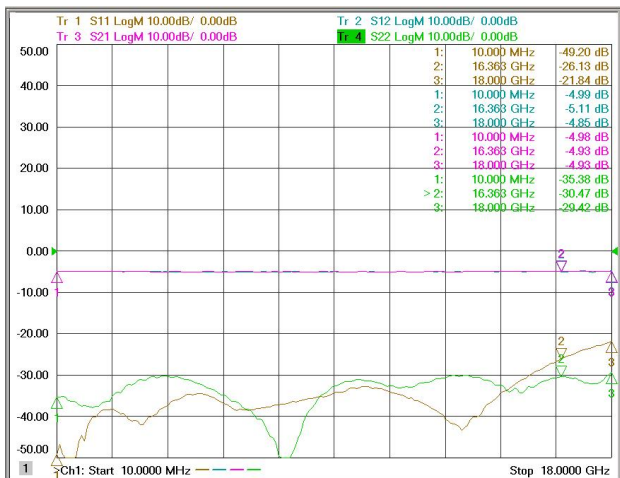
3dB Graph



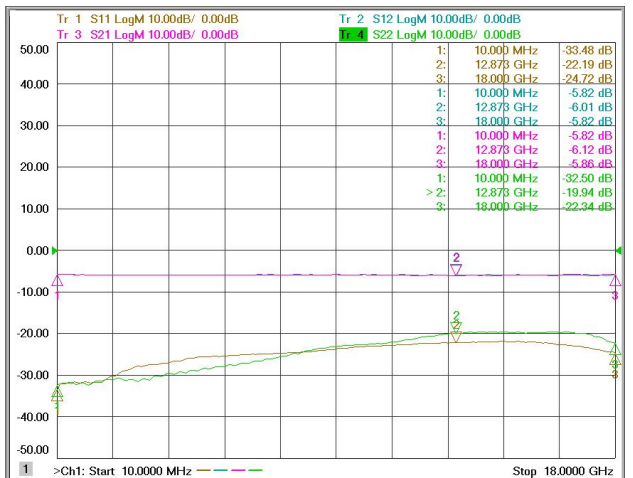
4dB Graph



5dB Graph

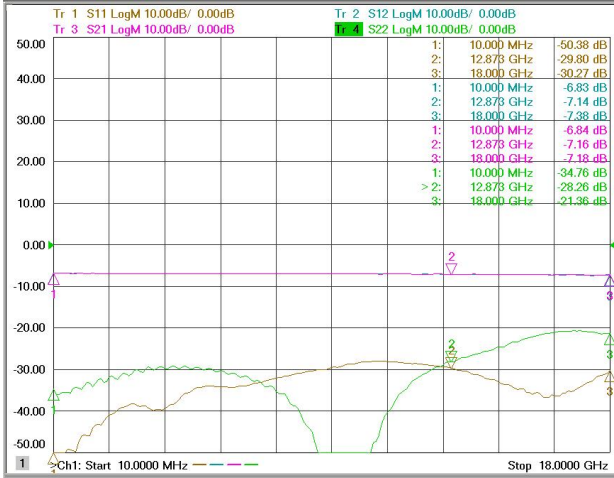


6dB Graph

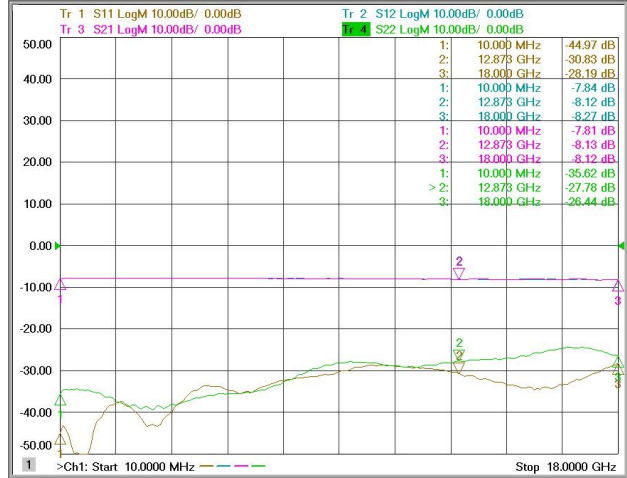




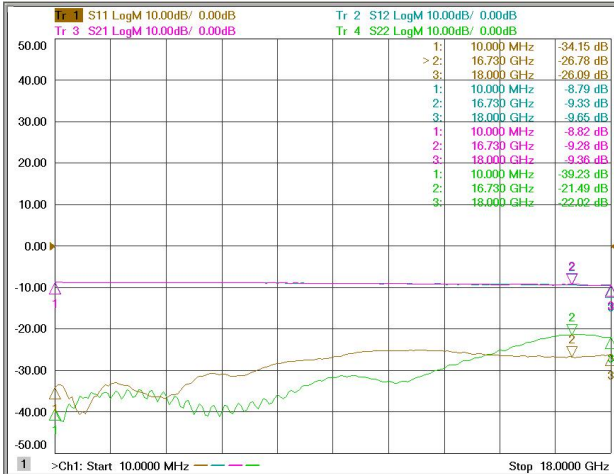
7dB Graph



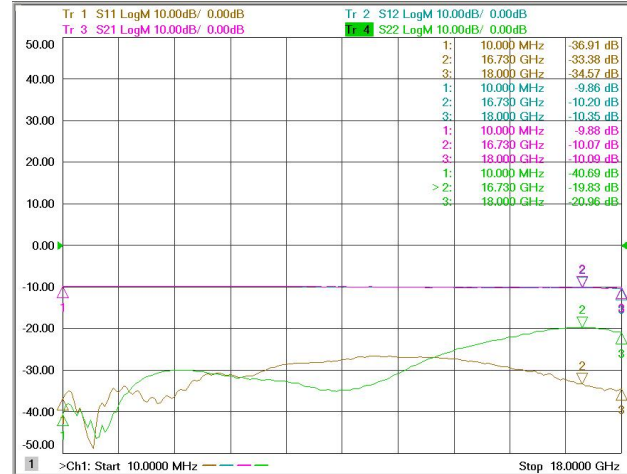
8dB Graph



9dB Graph



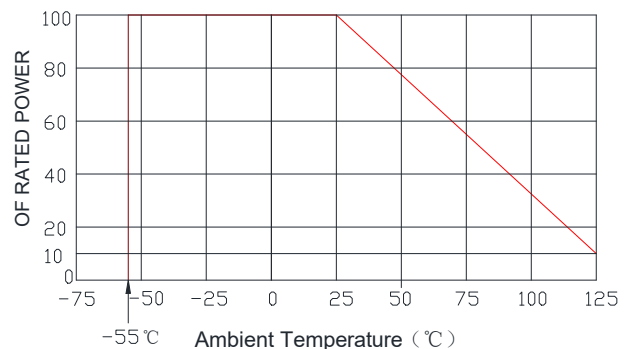
10dB Graph



◆Use Attention:

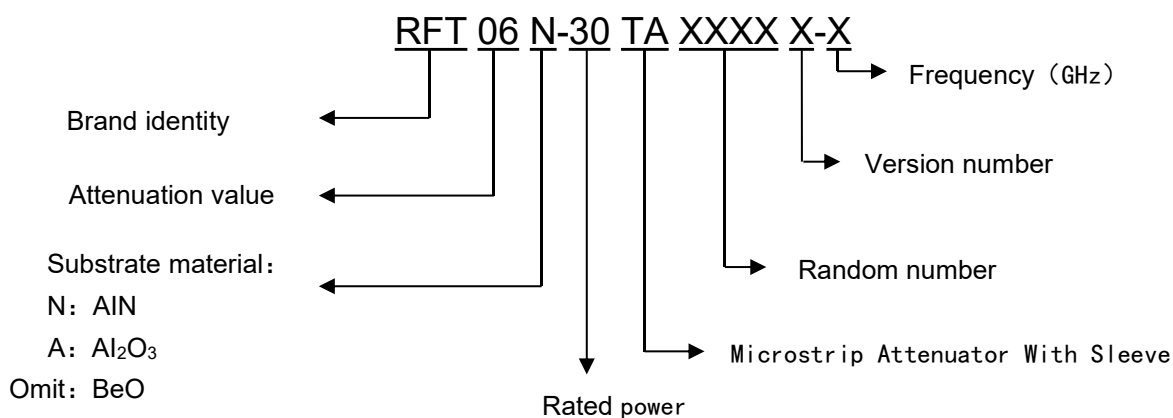
- Elastic contact is used at the contact point between the connector and the sleeve electrode;
 - The inner hole of the radiator should match the diameter of the sleeve, and the tolerance should not be too large;
- Operation steps:
- Tighten one end of the connector with a thread to one end of the radiator;
 - Place the sleeve type attenuation plate into the internal hole of the radiator;
 - Then tighten the connector on the other end with a thread
 - Attention: Thread requires the use of thread sealant

◆Power De-rating:





◆P/N Designation:



◆Notes:

- The sleeve and radiator need to be tightly connected to ensure heat dissipation.
- Good grounding is required to ensure S parameters.
- In order to meet the requirements of the drawings, it is necessary to install radiators of sufficient size.
- If necessary, increase air cooling or water cooling.
- The connection between the connector and the sleeve type attenuation electrode must use elastic contact.
- If the sleeve is marked with "IN", be sure to place one end of the IN on the input port, and if there is no label, it will be bidirectional.

◆Remarks:

- We can provide customized RF attenuators, RF resistors, coaxial dummy (termination) loads, and mismatched dummy (termination) loads.