

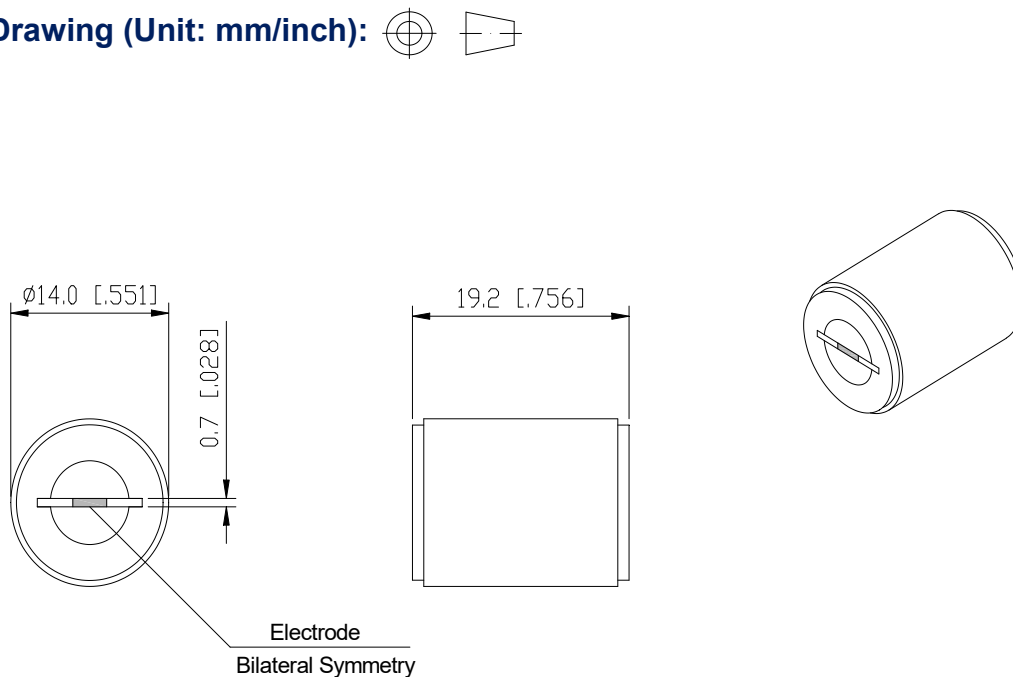


## Microstrip Attenuator With Sleeve

### ◆Features and Electrical specifications:

Model	RFTXX-20TA1419-10 (XX=Attenuation value)			
Resistance Range	50 Ω			
Frequency Range	DC~10.0 GHz			
Power	20 W			
Attenuation(dB)	01-10	11-20	21-30	40、50
Attenuation Tolerance(dB)	±0.5	±0.6	±1.0	±1.2
VSWR	1.25 type 1.3 max			
Temperature Coefficient	<150ppm/°C			
Substrate material	BeO			
Sleeve Material	Al (Conductive oxidation)			
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**

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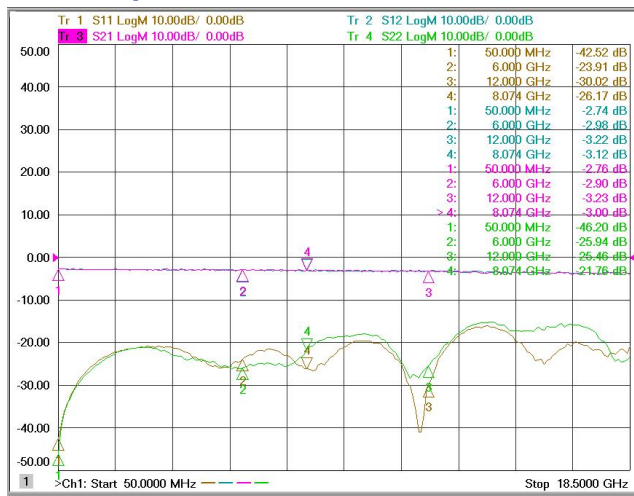
218# Wenwu Middle Road, Jinkai District, Mianyang, Sichuan Province China

**Ready For Tackling Your Trouble**

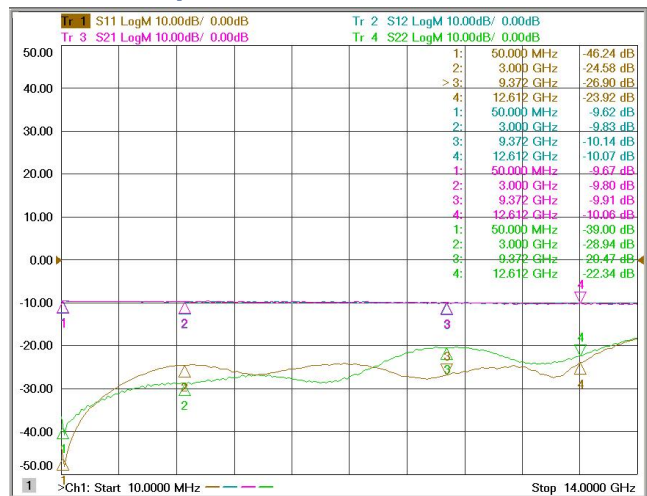


◆ Typical Performance:

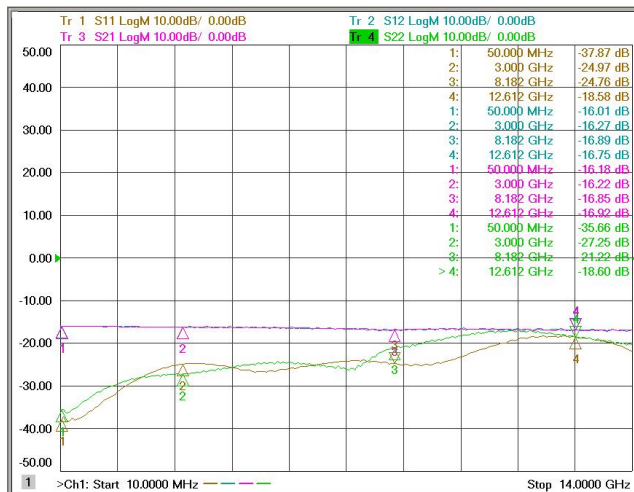
3dB Graph



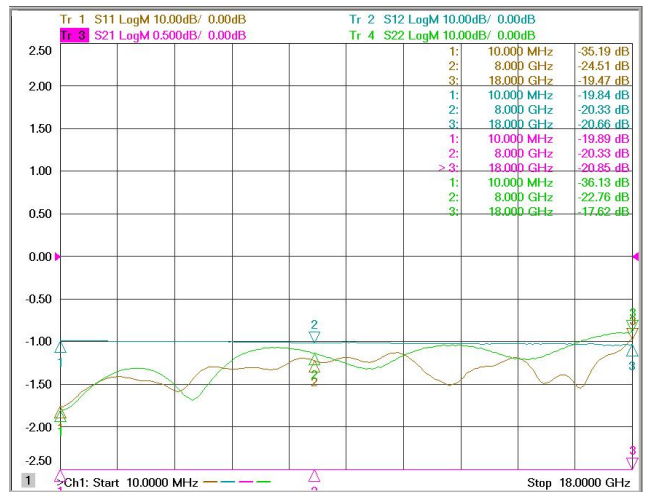
10dB Graph



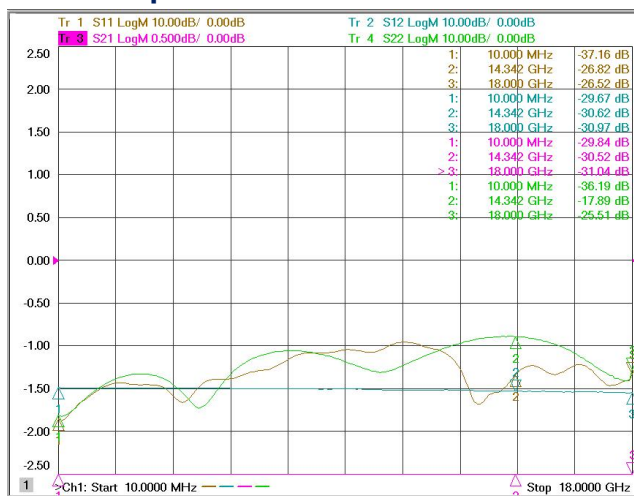
16.5dB Graph



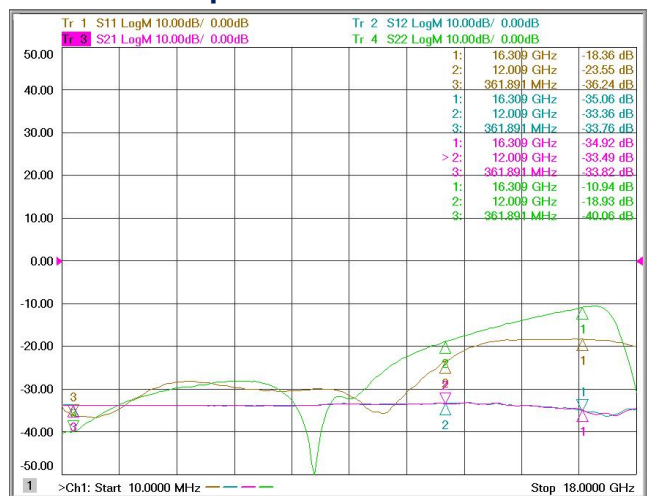
20dB Graph



30dB Graph



34dB Graph

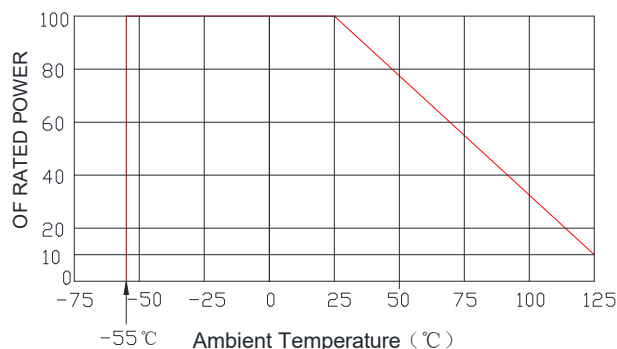




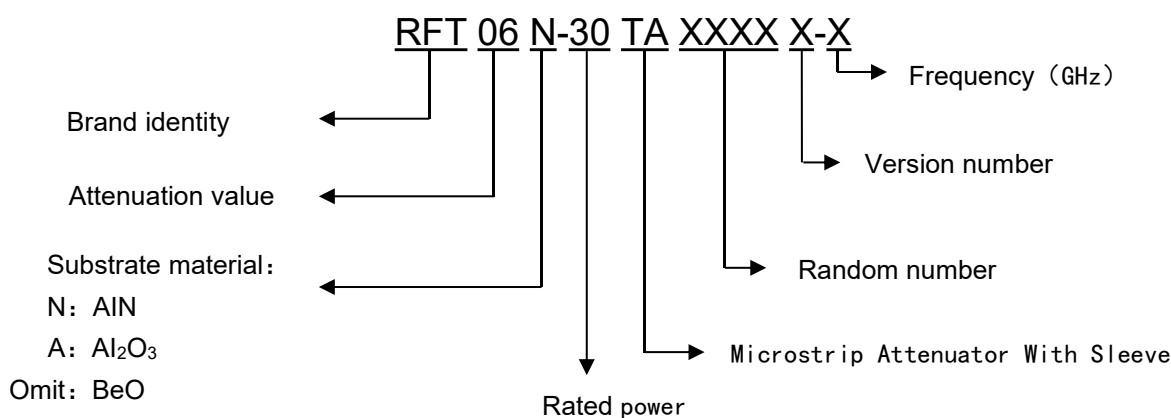
◆Use Attention:

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