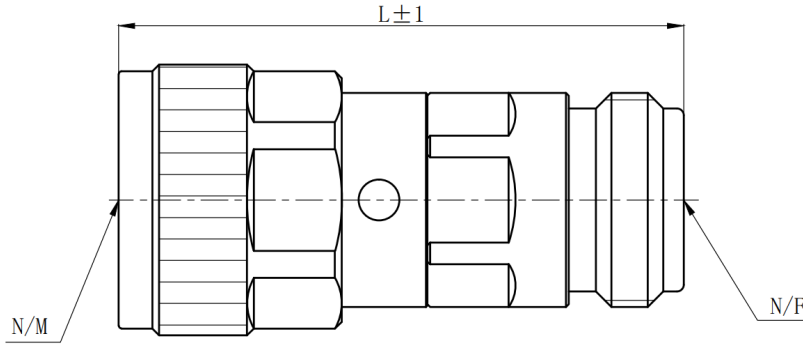




## N Coaxial Fixed Attenuator, R18N2E-XX DC-18GHz, 2W, 1-30dB, Bidirectional, Round

### Dimensions(mm) Tolerance $\pm 1\%$



尺寸参考/Size table

|        |         |
|--------|---------|
| 1-20dB | 21-30dB |
| L=41.8 | L=45.1  |

### Electrical & Environmental

|                         |   |
|-------------------------|---|
| <b>Frequency Range</b>  | DC-18GHz , 50Ohms                               |
| <b>VSWR</b>             | 1.25 Max  |
| <b>Input Avg Power</b>  | 2W @25°C  |
| <b>Peak Power</b>       | 250W (5 $\mu$ sec pulse width, 0.4% duty cycle) |
| <b>Temp Coefficient</b> | <0.0004 dB/dB/°C                                |
| <b>Direction</b>        | Bidirectional, N male to N female               |
| <b>Attenuation</b>      | 1-30dB  |
| <b>Operating Temp</b>   | -55°C~+85°C                                     |

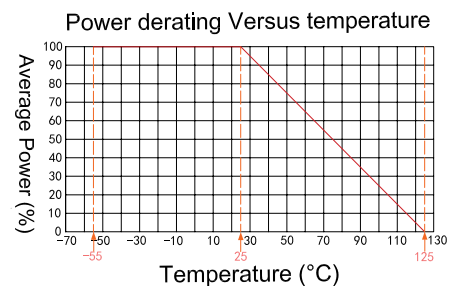
### Product Selection, Customizable

| RFTOP P/N | ATTEN | Accuracy     |
|-----------|-------|--------------|
| R18N2E-3  | 3 dB  | $\pm 0.4$ dB |
| R18N2E-5  | 5 dB  | $\pm 0.4$ dB |
| R18N2E-6  | 6 dB  | $\pm 0.5$ dB |
| R18N2E-10 | 10 dB | $\pm 0.5$ dB |
| R18N2E-15 | 15 dB | $\pm 0.6$ dB |
| R18N2E-20 | 20 dB | $\pm 0.8$ dB |
| R18N2E-25 | 25 dB | $\pm 1.0$ dB |
| R18N2E-30 | 30 dB | $\pm 1.0$ dB |

### Mechanical & Product Information

|                       |                                   |
|-----------------------|-----------------------------------|
| <b>Product Number</b> | R18N2E-XX                         |
| <b>Product Type</b>   | Coaxial Fixed Attenuator, E-Grade |
| <b>Connector</b>      | N male, N female                  |
| <b>Connector Body</b> | Passivated stainless steel        |
| <b>Center Contact</b> | Gold plated beryllium copper      |
| <b>Heat Sink</b>      | N/A                               |
| <b>Net Weight</b>     | About 50.2g                       |

**Notes:** Pay attention to input/output. To ensure longevity and performance, do not use at full power for a long time. Peak power, pulse width, and duty cycle need to meet the requirements. Input high power, require heat dissipation, maintain temperature within 60°C. Reference Curve, derate linearly to 0.2W at 100°C.



1. Customized connectors, dimensions, directionality, PIM, dB values.

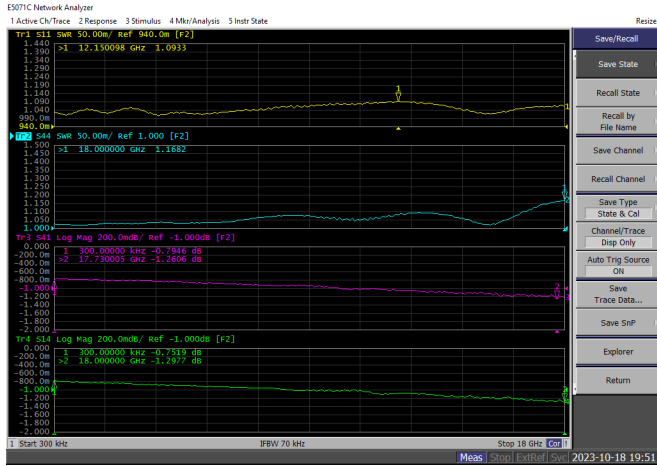
2. Refer to the RFTOP attenuator selection and usage guide.



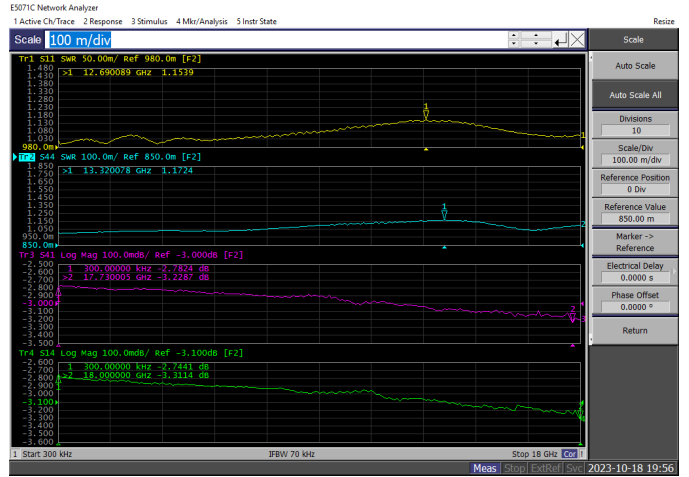
# N Coaxial Fixed Attenuator, R18N2E-XX DC-18GHz, 2W, 1-30dB, Bidirectional, Round

## Typical Test Data

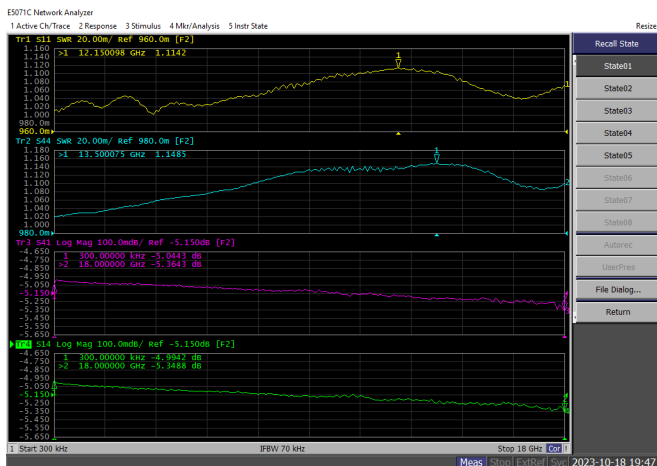
1dB



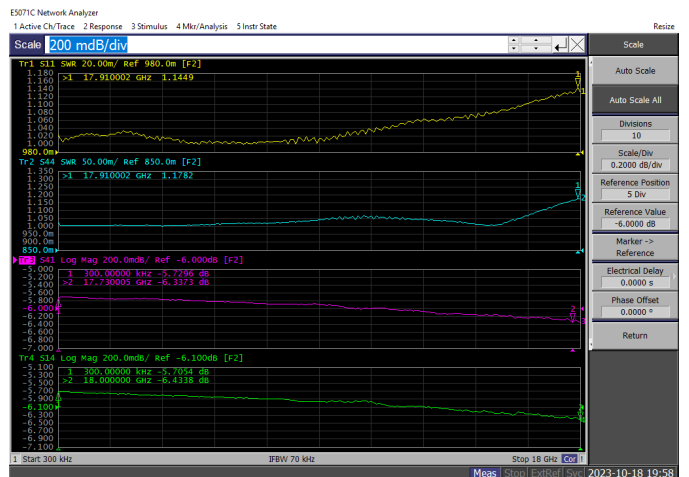
3dB



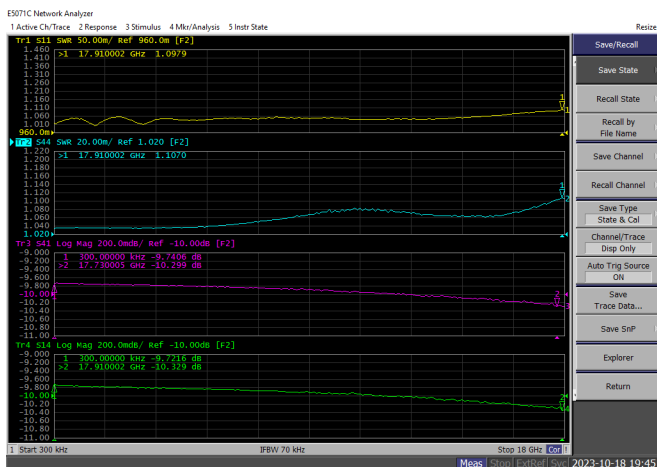
5dB



6dB



10dB



15dB

