30W 6GHz N-Type Coaxial Attenuators
ATN-XX30-06

DATA SHEET

KEY FEATURES

- Fixed attenuation, DC–6 GHz
- 30 W continuous power handling
- VSWR ≤ 1.15
- Square heatsink for benchtop applications
- Rugged N-type design
- 1-year standard warranty

RoHS compliant

REACH

ELECTRICAL SPECIFICATIONS

Attenuation range (dB)				
1 - 10 (±0.5)	11 - 20 (±0.6)	21 - 30 (±0.8)	31 - 40 (±0.8)	41 - 50 (±0.8)

Frequency range	dc - 6 GHz
Impedance	50 Ω
VSWR	≤ 1.15
Input AVG power	30 W @ 25 °C ambient
Power derating	linear to 3 W @ 100 °C
Peak power	1 kW (5 µsec pulse width, 1% duty cycle)
Direction	Unidirectional (see configurations)

MECHANICAL SPECIFICATIONS

Interface	N male – female*
Standard	MIL-STD-348A
Weight	226g

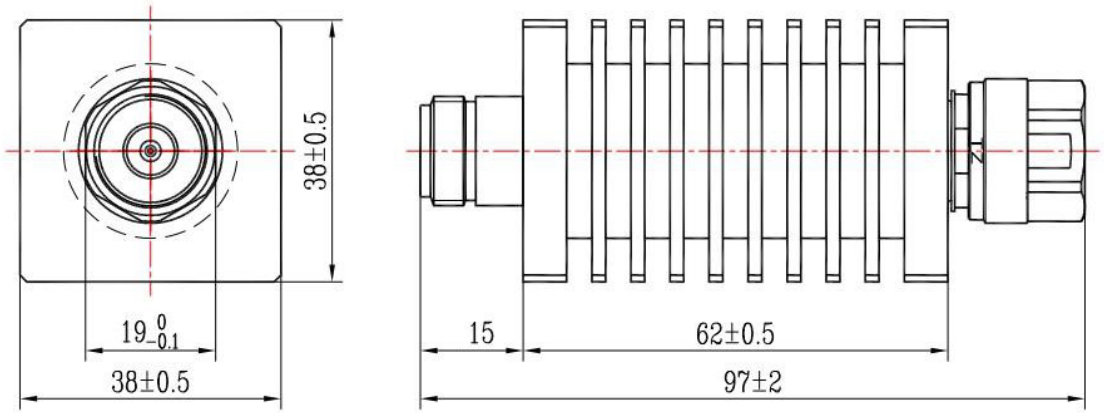
MATERIAL SPECIFICATIONS

COMPONENT	MATERIAL	FINISHING
Connector body	Brass	Ternary alloy
Center contact	BeCu / Brass	Gold plated
Heat sink	Aluminium	Anodized black

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-55 / +100 °C
Storage temperature	-55 / +125 °C
Temperature coefficient	<0.0004 dB/dB/°C
RoHS	Compliant (2011/65/EU | RoHS 3)
REACH	Compliant (EC 1907/2006)

DIMENSIONS (mm)



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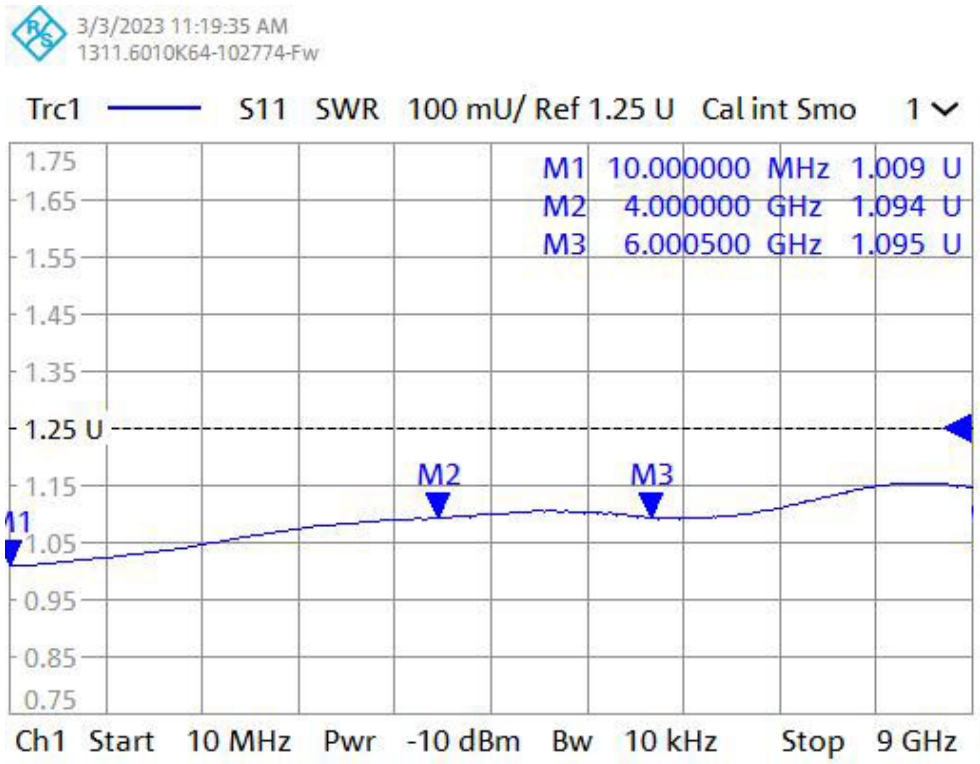
DATA SHEET

TYPICAL VSWR TEST



CONFIGURATIONS

ATN-XX30-06	**Connectors:** N male input – N female output
ATN-XX30A-06	**Connectors:** N female input – N male output
ATN-XX30B-06	**Connectors:** N male input – N male output
ATN-XX30C-06	**Connectors:** N female input – N female output

HOW TO ORDER: ATN-XX30-06 Where **XX** represents the **Attenuation** code ranging from **01** to **50**. *(Example: ATN-**06**30-06 → 6dB Attenuation Value)*. Optional letter for different connectors configuration.

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