

DC to 6 GHz, 250W, N-Type Coaxial Attenuators

ATN-XX250X-06

ELECTRICAL SPECIFICATIONS:

Attenuation (dB)					
3, 6 (± 0.8)	10 (± 0.8)	20 (± 0.8)	30 (± 0.9)	40 (± 0.9)	50, 60 (± 0.9)
Frequency range		DC – 6 GHz			
Impedance		50 Ω			
VSWR		≤ 1.25			
Input AVG power		250 W @ 25 °C ambient			
Power derating		Linear to 25 W at 100 °C			
Peak power		1 kW (5 μ s pulse, 10% duty cycle)			
Direction		Unidirectional			

MECHANICAL SPECIFICATIONS

Interface (IN/OUT)	N male – N female (* see configurations)
Standard	MIL-STD-348A
Weight	Approx. 3.3 kg

MATERIAL SPECIFICATIONS

COMPONENT	MATERIAL	FINISHING
Body, Nut	Brass	Ternary alloy
Center contact	BeCu / Brass	Gold
Insulator	PTFE	-
Heat sink	Aluminium	Anodized (black)

ENVIRONMENTAL SPECIFICATIONS

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



KEY FEATURES

- DC to 6 GHz Wideband Performances
- 250W High RF Power
- Precise and stable attenuation
- Robust construction
- 1-year standard warranty

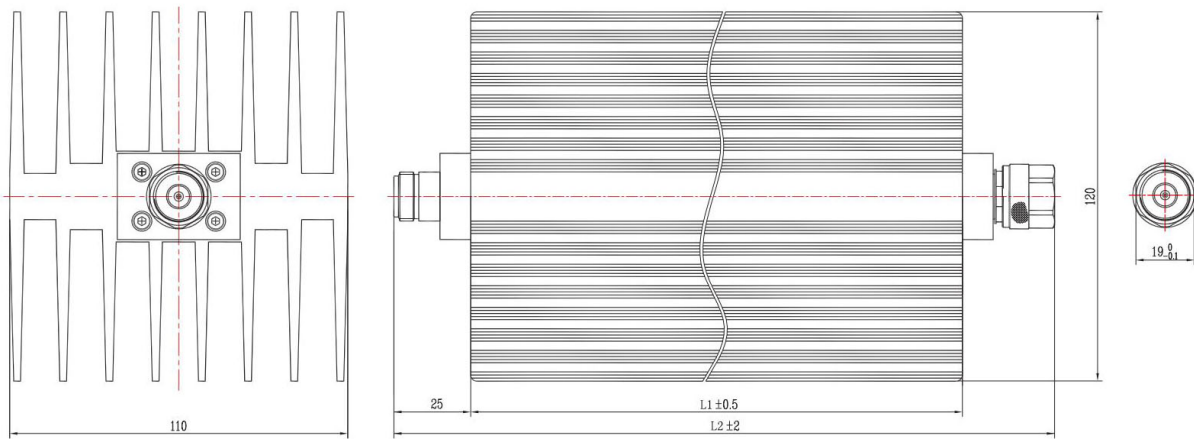


Notes:

1. For directional attenuators, ensure that the device is installed according to the indicated RF input/output orientation.
2. To maintain optimum performance, forced-air cooling is recommended to keep the case temperature below 85 °C.
3. Custom attenuation values, mechanical outlines, and optimized accuracy/VSWR specifications are available upon request.

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DRAWING unit: mm

L1=152(3dB), L1=203(6dB), L1=254(10-60 dB)
 L2=207(3dB), L2=258(6dB), L2=309(10-60 dB)

INPUT / OUTPUT CONFIGURATIONS

ATN-XX250-04
 ATN-XX250A-04
 ATN-XX250B-04
 ATN-XX250C-04

Connectors: N male input – N female output
Connectors: N female input – N male output
Connectors: N male input – N male output
Connectors: N female input – N female output