

DC to 18 GHz, 2W, N-Type Coaxial Attenuators

ATN-XX02-18

ELECTRICAL SPECIFICATIONS:

Attenuation (dB)					
1 - 10	20	30	40	50	60
±0.7	±0.8	±1.0	±1.2	±1.3	±1.5
Frequency range	DC – 18 GHz				
Impedance	50 Ω				
VSWR	≤1.35				
Input AVG power	2 W @ 25 °C ambient				
Power derating	Linear to 0.2W at 100 °C				
Peak power	250W (5 μs pulse, 0.4% duty cycle)				
Direction	Bidirectional				



MECHANICAL SPECIFICATIONS

Interface	N male – female*
Standard	MIL-STD-348A
Weight	55 g

MATERIAL SPECIFICATIONS

COMPONENT	MATERIAL	FINISHING
Body, Nut	Brass	Ternary alloy
Center contact	BeCu / Brass	Gold
Insulator	PTFE	-

ENVIRONMENTAL SPECIFICATIONS

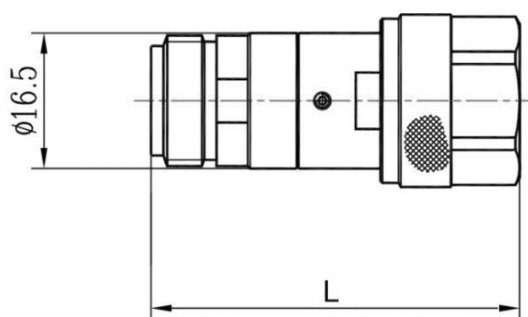
Op. temperature	-55 / +100 °C
Storage temperature	-55 / +125 °C
Temperature coef.	<0.0004 dB/dB/°C
RoHS	Compliant (2011/65/EU RoHS 3)
REACH	Compliant (EC 1907/2006)

KEY FEATURES

- DC to 18 GHz Wideband Performances
- Reliable VSWR for accurate RF measurements
- Precise and stable attenuation
- Robust construction
- 1-year standard warranty



DRAWING unit: mm



L = 45 (±1) 0 - 30 dB
L = 48 (±1) 40 - 60 dB

* Available models:

ATN-XX02-18: male to female
ATN-XX02A-18: male to male
ATN-XX02B-18: female to female

HOW TO ORDER: ATN-XX02-18

Where **XX** represents the **Attenuation** code ranging from **01** to **60**. (Example: ATN-0602-18 → 6dB Attenuation Value)

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TYPICAL TEST DATA (VSWR)

