

# DC to 6 GHz, 50 W, N-Type Coaxial Attenuators

ATN-XX50-06

## ELECTRICAL SPECIFICATIONS:

Attenuation (dB)				
1 - 10 (±0.5)	20 (±0.6)	30 (±0.8)	40 (±0.8)	50 (±0.9)
<b>Frequency range</b>	DC – 6 GHz			
<b>Impedance</b>	50 Ω			
<b>VSWR</b>	≤1.25			
<b>Input AVG power</b>	50 W @ 25 °C ambient			
<b>Power derating</b>	Linear to 5 W at 100 °C			
<b>Peak power</b>	1 kW (5 μs pulse, 2% duty cycle)			
<b>Direction</b>	Bidirectional			



## MECHANICAL SPECIFICATIONS

<b>Interface</b>	N male – female*
<b>Standard</b>	MIL-STD-348A
<b>Weight</b>	~250 g

## MATERIAL SPECIFICATIONS

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

## ENVIRONMENTAL SPECIFICATIONS

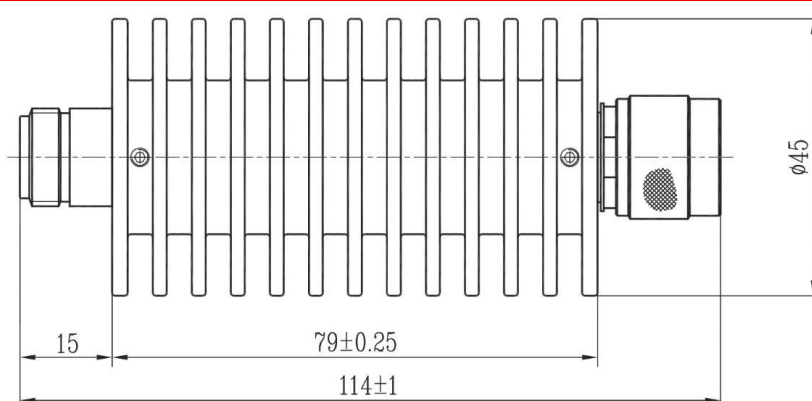
<b>Op. temperature</b>	-55 / +100 °C
<b>Storage temperature</b>	-55 / +125 °C
<b>Temperature coef.</b>	<0.0004 dB/dB/°C
<b>RoHS</b>	Compliant (2011/65/EU   RoHS 3)
<b>REACH</b>	Compliant (EC 1907/2006)

### KEY FEATURES

- 50 W power handling
- Reliable VSWR for accurate RF measurements
- Precise and stable attenuation
- Robust construction
- 1-year standard warranty



## DRAWING unit: mm



### \* Available models:

- ATN-XX50-06: male to female
- ATN-XX50A-06: male to male
- ATN-XX50B-06: female to female

### HOW TO ORDER: ATN-XX02-18

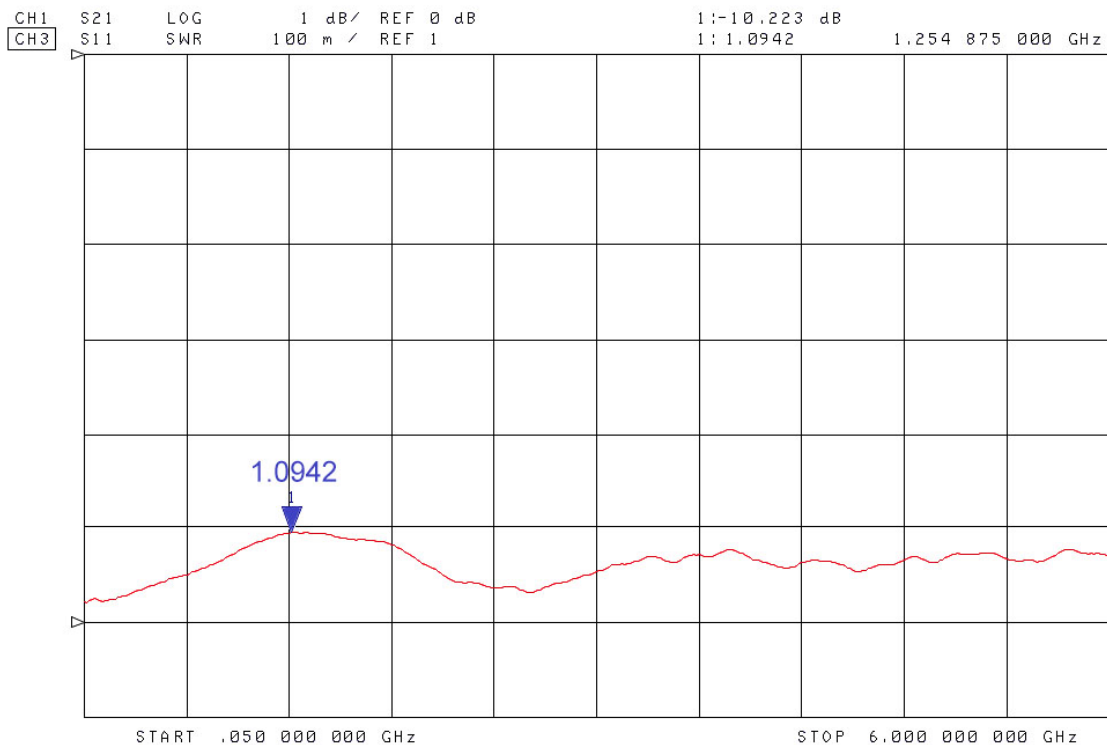
Where **XX** represents the Attenuation code ranging from **01** to **50**.

(Example: ATN-1050-06 → 10dB Attenuation Value)

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## TYPICAL TEST DATA (VSWR)



Note: Tested on 10 dB attenuation value