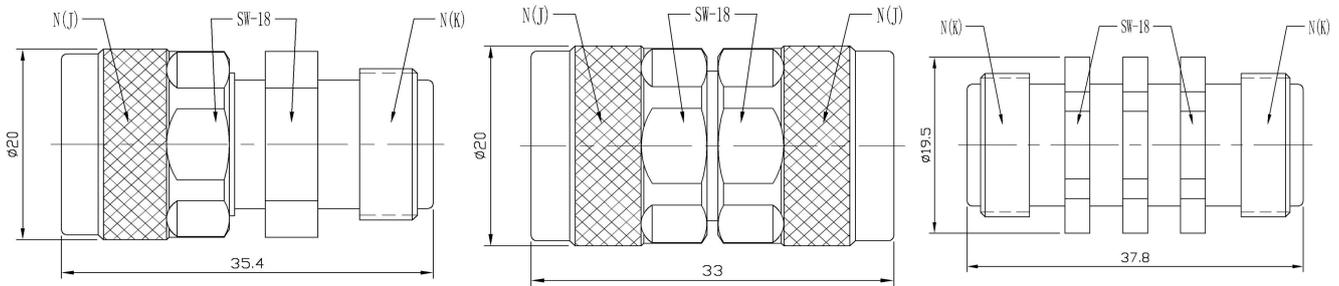


Features

- DC~18GHz Frequency Range
- Max Power 5W
- VSWR < 1.20

Applications

- Miniature Size
- N Interfaces
- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production systems



Mechanical & Environmental Specifications

Outer Conductor	Coupling Nut	Passivated Stainless Steel	Temp. Range	Storage	-55°C~125°C
	Radiator	Passivated Stainless Steel		Working Temp.	-55°C~100°C
Inner Conductor	Male	Beryllium Copper Gold plated(≥ 1.27μ m)	Altitude	Storage	< 15300 Meters
	Female	Beryllium Copper Gold plated(≥ 1.27μ m)		Working Temp.	< 4800 Meters
Weight		40 g			

Electrical Specifications

Model	Frequency Range(GHz)	Attenuation(dBc) and accuracy				Return Loss(dB)
		1~6	7~10	20	30	
AT0518-XX	DC~18GHz	-0.5/+0.5	-0.5/+0.5	-0.5/+0.5	-0.6/+0.6	-24.7

XX refers to decrease value. Temperature coefficient 0.0002dB/dB/°C.

Power sensitivity:0.001dB/dB/W. Average power: the ambient temperature corresponding to maximum 5W power is 25°C.

When temperature is up to 100°C. The power decreases linearly to 0.5W

Peak power: Max power 500W (Maximum 5 μ s pulse width, maximum 1% duty cycle)

Remark

- 1、 All physical dimensions are in mm and the tolerance is ± 1%
- 2、 The network analyzer tests in the whole frequency band, 100% electrical performance test.
- 3、 Special connectors and special attenuation can be customized according to customer requirements

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