

COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, N

5903_N-50-6/133_N

Properties

- Wide range of interfaces
- Various bandwidth to improve the impedance matching between subsystems of its waveform
- Used in many test and measurement and communication applications.



Product configuration		
Interface	Gender	Standard
N	plug (male)	IEC 60169-16_MIL-STD-348A/304_CECC 22210
N	jack (female)	IEC 60169-16_MIL-STD-348A/304_CECC 22210

Electrical data	
Impedance	50Ω
Operating frequency	0 GHz ... 6 GHz
Attenuation nominal	3 dB
VSWR	1.25
Return loss	19.1 dB

Electrical Data (frequency related)		
Frequency range	Attenuation deviation	VSWR max
0 GHz to 6 GHz	+/- 0.5 dB	1.25

Electrical Data (power)	
Average power	5 W at 25 °C ambient temperature. Linearly derated to 0.5 W at 100 °C ambient temperature.
Peak power	500 W, 5 μs pulse width, 0.5 % duty cycle

Interface and material data		
Interface	N / plug (male)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Brass	Tri-metal Plating
Body	Brass	Tri-metal Plating
Insulator	PTFE (Polytetrafluoroethylene)	

COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, N

5903_N-50-6/133_N

Interface and material data		
Coupling nut	Brass	Tri-metal Plating
Gasket	VMQ (Silicone rubber)	
Interface	N / jack (female)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Brass	Tri-metal Plating
Body	Brass	Tri-metal Plating
Insulator	PTFE (Polytetrafluoroethylene)	

Mechanical data	
Weight	0.07 kg

Environmental data	
Operation temperature	-55 °C ... 125 °C

Ordering Information Table	
Item number	Item description
85177173	5903_N-50-6/133_NE

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.

DOCUMENT PIM-P1852 / Date of publication: 21.11.2024 / uncontrolled copy