DATA SHEET

COAXIAL FIXED ATTENUATOR, 50, 15 dB, N

6815_N-50-1/1--_N

Properties

- Wide range of interfaces
- Fixed attenuation level from 0 dB up to 40 dB
- 50 Ω or 75 Ω impedance
- 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	15 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	2 W at 25 °C ambient temperature. Linearly derated to 0.2 W at 100 °C ambient temperature.
Peak power	250 W, 5 µs pulse width, 0.4 % duty cycle

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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	PEI (Polyether-imide)	
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	PEI (Polyether-imide)	

Mechanical data	
Weight	0.055 kg

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

Ordering Information Table	
Item number	Item description
85177133	6815_N-50-1/1--_NE

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