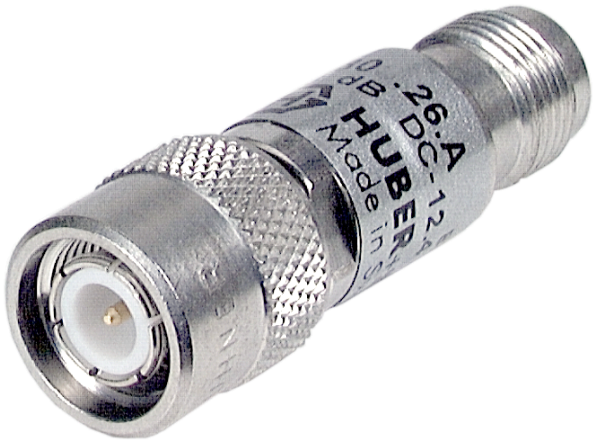
DATA SHEET

COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, TNC

6803.26.A

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
TNC	plug (male)	IEC 60169-17_MIL-STD-348A/313_CECC 22200
TNC	jack (female)	IEC 60169-17_MIL-STD-348A/313_CECC 22200

Electrical data	
Impedance	50Ω
Operating frequency	0 GHz ... 12.4 GHz
Attenuation nominal	3 dB
VSWR	1.4
Return loss	15.6 dB

Electrical Data (frequency related)		
Frequency range	**Attenuation deviation**	**VSWR max**
0 GHz to 4 GHz	+/- 0.3 dB	1.1
4 GHz to 8 GHz	+/- 0.8 dB	1.22
8 GHz to 11 GHz	+/- 1 dB	1.3
11 GHz to 12.4 GHz	+/- 1 dB	1.4

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Electrical Data (power)	
Average power	2 W at 30 °C ambient temperature. Linearly derated to 0 W at 130 °C ambient temperature.
Peak power	500 W, 5 µs pulse width, 0.05 % duty cycle
Electrical remarks	Peak voltage max. 160V (50 Ohm)

Interface and material data		
Interface	TNC / plug (male)	
Piece parts	**Material**	**Plating**
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	
Coupling nut	Brass	SUCOPLATE (R) Plating
Gasket	VMQ (Silicone rubber)	
Interface	TNC / jack (female)	
Piece parts	**Material**	**Plating**
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	

Mechanical data	
Weight	0.029 kg

Environmental data	
Operation temperature	-55 °C ... 130°C

Ordering Information Table	
Item number	Item description
22543746	6803.26.A

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