

Precision Attenuator, Low Power

6803.17.B

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-precision	plug (male)	IEC 60169-16_MIL-STD-348A/304_CECC 22210
N-precision	jack (female)	IEC 60169-16_MIL-STD-348A/304_CECC 22210

Electrical data	
Impedance	50Ω
Operating frequency	0 GHz ... 18 GHz
Attenuation nominal	3 dB
VSWR	1.35
Return loss	16.5 dB

Electrical Data (frequency related)		
Frequency range	Attenuation deviation	VSWR max
0 GHz to 6 GHz	0.3 dB	1.1
6 GHz to 8 GHz	0.3 dB	1.15
8 GHz to 12.4 GHz	0.5 dB	1.2
12.4 GHz to 18 GHz	0.8 dB	16.5

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)

Precision Attenuator, Low Power
6803.17.B

Interface and material data		
Interface	N-precision / plug (male)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Stainless Steel	
Body	Stainless Steel	
Insulator	Air Dielectric - Bead - PPH	
Coupling nut	Brass	SUCOPLATE (R) Plating
Gasket	VMQ (Silicone rubber)	
Interface	N-precision / jack (female)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Stainless Steel	
Body	Stainless Steel	
Insulator	Air Dielectric - Bead - PPH	

Mechanical data	
Weight	0.086 kg

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

Ordering Information Table	
Item number	Item description
22550188	6803.17.B

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-P37987 / Date of publication: 21.11.2024 / uncontrolled copy