

## RF Attenuator 6830.17.B

### Description

Precision Attenuator, Low Power



### Product Configuration

Connector (side 1 / side 2) N-precision plug (male) / N-precision jack (female)  
Interface Standards IEC 60169-16\_MIL-STD-348A/304\_CECC 22210

### Technical Data

#### Electrical Data

Nominal impedance	50 Ω				
Nominal attenuation	30 dB				
Frequency range	DC to 18 GHz				
Frequency sub range (GHz)	DC to 4	4 to 6	6 to 8	8 to 12.4	12.4 to 18
Attenuation deviation (±dB)	1	1	1	1	1.5
VSWR max.	1.1	1.1	1.15	1.15	1.25
Power rating	1 Watt average power up to 30 °C ambient temperature, linearly derated to 0 Watt at 130 °C ambient temperature. 500 Watt peak power, 5 μs pulse, 0.05 % duty cycle				

#### Mechanical Data

Weight 0.086 kg

#### Environmental Data

Operating temperature -55 °C to 130 °C  
2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant

#### Material Data

Piece Part (side 1)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	
Body	Stainless Steel	
Insulator	Air Dielectric - Bead - PPH	
Coupling nut	Brass	SUCOPLATE (R) Plating
Piece Part (side2)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	
Body	Stainless Steel	
Insulator	Air Dielectric - Bead - PPH	

### Related Documents

Outline drawing DOU-00005244

### Ordering Information

Single packaging 6830.17.B