

## RF Attenuator 6830.17.A

### Description

Standard Attenuator, Low Power



### Product Configuration

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

### Technical Data

#### Electrical Data

Nominal impedance	50 $\Omega$			
Nominal attenuation	30 dB			
Frequency range	DC to 12.4 GHz			
Frequency sub range (GHz)	DC to 4	4 to 8	8 to 10	10 to 12.4
Attenuation deviation ( $\pm$ dB)	1	1	1	1
VSWR max.	1.1	1.2	1.2	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 $\mu$ s pulse, 0.05 % duty cycle			

#### Mechanical Data

Weight	0.069 kg
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#### 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	Brass	Gold Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	
Coupling nut	Brass	SUCOPLATE (R) Plating
Piece Part (side2)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Brass	Gold Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	

### Related Documents

Outline drawing	DOU-00005259
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### Ordering Information

Single packaging	6830.17.A
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# Mouser Electronics

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