

COAXIAL FIXED ATTENUATOR, 50 Ohm, 20 dB, QMA

6820_QMA-50-2/133_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
QMA	plug (male)	QMA QLF compliant
QMA	jack (female)	QMA QLF compliant

Electrical data

Impedance	50 Ω
Operating frequency	0 GHz ... 6 GHz
Attenuation nominal	20 dB
VSWR	1.2
Return loss	20.8 dB

Electrical Data (frequency related)

Frequency range	Attenuation deviation	VSWR max
0 GHz to 6 GHz	+/- 0.6 dB	1.2

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 μ s pulse width, 0.4 % duty cycle

Interface and material data

Interface	QMA / plug (male)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating

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Interface and material data		
Outer conductor	Brass	Tri-metal Plating
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Brass	Tri-metal Plating
Interface	QMA / jack (female)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Brass	Tri-metal Plating
Insulator	PTFE (Polytetrafluoroethylene)	

Mechanical data	
Weight	0.007 kg

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

Ordering Information Table	
Item number	Item description
85170607	6820_QMA-50-2/133_NE

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DOCUMENT PIM-P1610 / Date of publication: 23.11.2023 / uncontrolled copy