



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to QLF® (Quick Lock Formula)
Rosenberger is an authorized QLF® manufacturer

Documents

N/A

Material and plating

Connector parts

Center conductor
Outer conductor
Dielectric
Substrate

Material

Beryllium copper
Brass
PTFE
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
White bronze(e.g. Optalloy®)

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Technical Data Sheet				Rosenberger			
QMA		Termination Jack 1 Watt		28K1ER-001N3			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 12.4 GHz					
Return loss		≥ 29 dB, DC to 1 GHz					
		≥ 21 dB, 1 GHz to 2.5 GHz					
		≥ 17 dB, 2.5 GHz to 12.4 GHz					
Power handling (at 25 °C, sea level)		1 W at 2.5 GHz, derated linearity by 0.01 W/K					
Mechanical data							
Mating cycles		≥ 100					
Engagement force		27 N (typ.)					
Disengagement force		20 N (typ.)					
Retention force for interface		≥ 60 N					
Environmental data							
Temperature range		-40 °C to +85 °C					
RoHS		compliant					
Tooling							
		N/A					
Suitable cables							
		N/A					
Packing							
Standard		100 pcs in bag					
Weight		1.8 g/pce					
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