

RF_35/06.07/5.0

TECHNICAL DATA SHEET

Adaptor RPC-2.92 Jack - RPC-7

Rosenberger

02KR107-P0AS3

Electrical data						
Impedance	50 Ω					
Frequency	DC to 18 GHz					
Return loss	\geq 28 dB, DC to 18 GHz					
Insertion loss	\leq 0.04 x $\sqrt{f(GHz)}$ dB					
Insulation resistance	\geq 5 G Ω					
Center contact resistance RPC-2.92	\leq 3.0 m Ω					
Outer contact resistance RPC-2.92	$\leq 2.0 \text{ m}\Omega$					
Center contact resistance RPC-7 Outer contact resistance RPC-7	$\leq 1.0 \text{ m}\Omega$ $\leq 0.1 \text{ m}\Omega$					
Test voltage	750 V rms					
Working voltage	250 V rms					
RF-leakage	\geq 100 dB up to 1 GHz					
Mechanical data Mating cycles RPC-2.92	≥ 500					
Mating cycles RPC-7	≥ 500 ≥ 5000					
Center contact captivation	≥ 28 N					
Coupling test torque RPC-2.92	1.70 Nm					
Recommended torque RPC-2.92	0.80 Nm to 1.10 Nm					
Coupling test torque RPC-7 Recommended torque RPC-7	1.95 Nm 1.36 Nm					
Recommended torque ruggedized nut	1.36 Nm					
Environmental data						
Temperature range	-40°C to +85°C					
Thermal shock	MIL-STD-202, Method 107, Condition B					
Corrosion Vibration	MIL-STD-202, Method 101, Condition B MIL-STD-202, Method 204, Condition D					
Shock	MIL-STD-202, Method 204, Condition D MIL-STD-202, Method 213, Condition I					
Moisture resistance	MIL-STD-202, Method 106					
2002/95/EC (RoHS)	compliant					
Tooling	N/A					
Suitable cables						
	N/A					
Packing						
Standard Weight	1 pce in box					
Weight	80.3 g/pce					
	the best of our knowledge, nothing is intended as representation or warranty on ad as recommendation to infringe existing patents. In the effort to improve our					
products, we reserve the right to make changes judged to be necessary.						

Draft	Date	Approved	Date		Rev.	Engineering change number	Name	Date
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