



Contents

Device	Part number	Quantity
Cable assembly RPC-2.40 ruggedized jack / RPC-2.92 plug	LU1-034-600	1
Cable assembly RPC-2.40 ruggedized jack / RPC-2.92 jack	LU1-045-600	1

Documents

Technical data sheet cable assembly:
RPC-2.40 ruggedized jack / RPC-2.92 plug
RPC-2.40 ruggedized jack / RPC-2.92 jack

LU1-034-XXX
LU1-045-XXX

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 26 dB, DC to 4 GHz ≥ 17 dB, 4 GHz to 40 GHz
Insertion loss	≤ 2.31 dB at 40 GHz (LU1-034-600) ≤ 2.61 dB at 40 GHz (LU1-045-600)
Phase deviation:	
After 90° bending	≤ 1.3°, DC to 4 GHz ≤ 6.0°, 4 GHz to 40 GHz
Straight after 3x90° bending	≤ 1.0°, DC to 4 GHz ≤ 4.0°, 4 GHz to 40 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.08 dB, 4 GHz to 40 GHz
Return loss stability	≥ 45 dB, DC to 4 GHz ≥ 35 dB, 4 GHz to 40 GHz
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Minimum bend radius	60 mm
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Environmental data

Temperature range	-40°C to +85°C
RoHS	compliant

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed 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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