



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Contents

Device	Part number	Quantity
Cable assembly RPC-1.85 ruggedized jack / RPC-1.85 plug	LU5-107-600	1
Cable assembly RPC-1.85 ruggedized jack / RPC-1.85 jack	LU5-106-600	1

Documents

Technical data sheet cable assembly:
RPC-1.85 ruggedized jack / RPC-1.85 plug
RPC-1.85 ruggedized jack / RPC-1.85 jack

LU5-107-XXX
LU5-106-XXX

Electrical data

Impedance	50 Ω
Frequency	DC to 70 GHz
Return loss	≥ 26 dB, DC to 4 GHz ≥ 22 dB, 4 GHz to 20 GHz ≥ 15 dB, 20 GHz to 50 GHz ≥ 14 dB, 50 GHz to 70 GHz
Insertion loss	≤ 4.60 dB at 70GHz
Phase deviation: After 90° bending	≤ 1.0°; DC to 4 GHz ≤ 3.0°; 4 GHz to 20 GHz ≤ 7.0°; 20 GHz to 70 GHz
Straight after 3x90° bending	≤ 1.0°; DC to 4 GHz ≤ 2.0°; 4 GHz to 20 GHz ≤ 4.0°; 20 GHz to 70 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.10 dB, 4 GHz to 20 GHz ≤ 0.20 dB, 20 GHz to 50 GHz ≤ 0.30 dB, 50 GHz to 70 GHz
Return loss stability	≥ 45 dB, DC to 20 GHz ≥ 35 dB, 20 GHz to 50 GHz ≥ 30 dB, 50 GHz to 70 GHz
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Minimum bend radius	60 mm
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Environmental data

Operating temperature range	+20°C to +26°C
Storage temperature range	-40°C to +85°C
2002/95/EC (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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