| г | echnical Da | ta Sheet | R | osenberg | nberger | | |
|---|----------------------------------|---|---|--|------------|--|--|
| RF | Cable asse PC-7 / RPC-3.50 ja | | | | | | |
| | | | | |] | | |
| | a are in mm: telerances | A : ± 3mm for A ≤ 300 mm; ± 1% | for A > 300 mp | ₹. | | | |
| | variants | | | | | | |
| | Туре | Insertion loss at max. | Frequency | Weight (g) / pce | | | |
| | LU7-031-XXX | ≤ 0.00164 dB/mm * A m | m + 0.35 dB | 0,25 g/mm * A mm + 131 g | | | |
| echnical c echnical c Calibration electrical qu | Weight: First constant = Cabl | e- and Armour- weight per mn or left RPC-7 or right RPC-3.5 RTK 162 pment for VDI/VDE | n; Second Const 0 ruggedized | | weight per | | |
| Assembly Connector Connector Cable Armour | left | RTK 162 | | 07P123-2U7S jack 03KR123-2U7 d bending rate and protection bra | 7S3 | | |
| Electrical mpedance Frequency Return loss nsertion lo | ,1 | ≥ 20 dB, | GHz DC to 4 GHz 4 GHz to 18 e "Available v | GHz | | | |
| RF-leakage | 9 | | B up to 1 GHz | | | | |
| senberger H | Hochfrequenztechnik | | Tel. : +49 | 8684 18-0 | Page | | |
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Technical Data Sheet

Cable assembly RPC-7 / RPC-3.50 jack – RTK 162 VA Armour

Rosenberger

LU7-031-XXX

| (acc. VDI/VDE/DGQ/DKD 2622 part 19) Insertion loss stability: | |
|--|---|
| After 90° bending | \leq 0.03 dB, DC to 4 GHz \leq 0.05 dB, 4 GHz to 18 GHz |
| | ≤ 0.5°, DC to 4 GHz ≤ 2.0°, 4 GHz to 18 GHz |
| Straight after 3x90° bending | ≤ 0.5°, DC to 4 GHz ≤ 1.5°, 4 GHz to 18 GHz |
| Return loss stability: | |
| After 90° bending | ≥ 48 dB, DC to 4 GHz ≥ 40 dB, 4 GHz to 18 GHz |
| Individual testing and documentation: | |

Stability data is tested according to the specification.

Measurement plot with all 4 S-Parameters (S11; S22; S21; S12) and the care and handling instruction are included with the cable assembly. Auxiliary adaptors used are mentioned in the commentary field.

| Mechanical data |
|-----------------|
|-----------------|

Minimum bend radius:

60 mm

| Environmental data | |
|---|------------------|
| Operating temperature range ² | +20 °C to +26 °C |
| Rated temperature range of use ³ | 0 °C to +50 °C |
| Storage temperature range | -40 °C to +85 °C |
| RoHS | compliant |

2 Temperature range over which these specification are valid.

3 This range is underneath and above the operating temperature range, within the cable assembly is fully functional and could be used without damage.

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 |
|---|----------|-------------|----------|------------------------------------|----------------------|---------------------------|-------------|----------|
| Martin Moder | 13.02.17 | H. Babinger | 20.03.17 | J00 | | 17-s096 | B. Zimmerle | 20.03.17 |
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