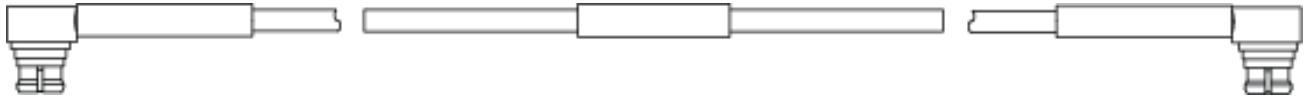


Technical Data Sheet

Rosenberger

Cable assembly
SMP / SMP – RTK-Flex047

70W-19K2-19K2-XXXXX



All dimensions are in mm; tolerances:
 ≤ 100 : $XXX \pm 2.0$; > 100 to ≤ 1500 : $XXX \pm 5.0$; > 1500 to ≤ 3000 : $XXX \pm 10.0$; > 3000 : $\pm 1.5\%$

Available variants

| Type | Max Insertion Loss | Marking | Weight (g) / pce |
|---------------------|-------------------------------------|---|------------------------------|
| 70W-19K2-19K2-XXXXX | ≤ 0.0073 dB/mm * A mm +1.83 dB | ROSENBERGER YYWW 70W-19K2-19K2-XXXXX | 0.0052 g/mm * A mm + 0.6 g |

XXXXX – length in mm = A

WW – week

YY – year

Note: max Insertion Loss:

First Constant = Cable attenuation in dB/mm; Second Constant = Connector left and Connector right

Weight:

First Constant = Cable weight per mm; Second Constant = Connector left and Connector right per pce

Assembly parts

| | | |
|-----------------|-------------|--------------|
| Connector left | SMP Jack | 19K207-270L5 |
| Connector right | SMP Jack | 19K207-270L5 |
| Cable | RTK-Flex047 | |

Electrical data

| | |
|-----------------------------|----------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 26.5 GHz |
| Return Loss ¹ | ≥ 15 dB, DC to 18 GHz |
| | ≥ 11 dB, 18 GHz to 26.5 GHz |
| Insertion Loss ¹ | see table available variants |

¹ Return Loss and Insertion Loss includes the measurement adaptor

Mechanical data

| | |
|----------------------|-------|
| Minimum bend radius: | |
| Single | 5 mm |
| Multiple | 10 mm |

Environmental data

| | |
|-------------------|-----------------|
| Temperature range | -40°C to +125°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 |
|---|----------|--------------|----------|---|---------------------------|--------------|---------------|
| Lizzy Beller | 01/07/20 | Mark Bennett | 01/21/20 | 100 | Preliminary | Mark Bennett | 01/21/20 |
| Rosenberger North America P.O. Box 309 Akron, PA USA 17501 www.rosenbergerna.com | | | | Tel. : +1.717.859.8900 Fax : +1.717.859.7044 Email : info@rosenbergerna.com | | | Page 1 / 1 |

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