



Mini-Circuits

DESIGNER'S KIT KHFC1-047+

Coaxial Cables

**HAND
FLEX™**

DC to 18 GHz, SMA, SMP, SMP Right-Angle Connectors



FEATURES

- Hand Formable
- Choice of Connector Types: SMA, SMP, SMP Right-Angle Connectors
- Robust
- Tight Bend Radius, 3.2mm Radius Min.
- Excellent Return Loss
- Excellent Insertion Loss
- Very Low Cost

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



KHFC1-047+ ELECTRICAL SPECIFICATIONS

(kit includes 5 of each model, total 20 pieces)

| Model No.1 | Freq. (GHz) fL-fU | Length ² (Inches) | Connector 1 | Connector 2 | Insertion loss (dB) | | | | Return Loss (dB) | | | |
|---------------|----------------------|---------------------------------|------------------------|------------------------|---------------------|----------------|-----------------|------------------|------------------|----------------|-----------------|------------------|
| | | | | | DC - 2 GHz Typ. | 2 - 6 GHz Typ. | 6 - 10 GHz Typ. | 10 - 18 GHz Typ. | DC - 2 GHz Typ. | 2 - 6 GHz Typ. | 6 - 10 GHz Typ. | 10 - 18 GHz Typ. |
| 047-6SMP+ | DC-18 | 6 | SMP-Female | SMP-Female | 0.21 | 0.37 | 0.57 | 0.72 | 30 | 28 | 32 | 27 |
| 047-6SMRP+ | DC-18 | 6 | SMP-Female Right-Angle | SMP-Female Right-Angle | 0.21 | 0.37 | 0.55 | 0.75 | 30 | 33 | 31 | 25 |
| 047-6SM-PRSM+ | DC-18 | 6 | SMP-Female Right Angle | SMA-Male | 0.19 | 0.31 | 0.48 | 0.62 | 31 | 33 | 30 | 23 |
| 047-6SMPSM+ | DC-18 | 6 | SMP-Female | SMA-Male | 0.21 | 0.38 | 0.57 | 0.75 | 30 | 27 | 29 | 26 |

1. Unjacketed cable also available upon request.

2. Custom sizes available upon request.

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REV. A
ECO-009165
KHFC1-047+
MCL NY
210810



All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

| Specification | Test/Inspection Condition | Reference/Spec |
|-----------------------|-------------------------------------|-----------------------------|
| Operating Temperature | -45° to 85°C Ambient Environment | Individual Model Data Sheet |
| Storage Temperature | -45° to 85°C Ambient Environment | Individual Model Data Sheet |
| Thermal Shock | -45° to 125°C, 3 Cycles | MIL-STD-202F; Method 107G |
| Single Bend Radius | 3.2 mm for 047 series cables | |