

# MINIBEND KSR-16, SK (male), SMP (female), ruggedized, 50 Ohm, 40 GHz, 16 in, 406.4 mm

## MINIBEND KSR-16

### Properties

- Applicable up to 40 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 086 size Semi-Rigid cables
- Solderless cable junction
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)



### Product configuration

|                              |                         |
|------------------------------|-------------------------|
| Type of cable                | MINIBEND (32081E)       |
| Type description connector A | 29094KCR-32-81          |
| Series connector A           | PC 2.9, straight - plug |
| Type description connector B | 29473CR-32-81-1         |
| Series connector B           | SMP, straight - jack    |
| Length                       | 406.4 mm                |
| Length                       | 16 inch                 |
| Length type                  | REF to REF              |

### Electrical data

|                          |             |
|--------------------------|-------------|
| Impedance                | 50 $\Omega$ |
| Max. operating frequency | 40 GHz      |
| VSWR max                 | 1.5         |
| Propagation velocity     | 70 %        |

### Electrical Data (frequency related)

| Frequency range   | Return loss | VSWR max | Insertion loss |
|-------------------|-------------|----------|----------------|
| 0 GHz ... 2 GHz   | 19.08 dB    | 1.25     | 0.63 dB        |
| 2 GHz ... 18 GHz  | 14.72 dB    | 1.45     | 1.98 dB        |
| 18 GHz ... 40 GHz | 13.98 dB    | 1.5      | 3.17 dB        |

### Mechanical data

|                        |          |
|------------------------|----------|
| Cable diameter         | 2.54 mm  |
| Static bending radius  | 5.08 mm  |
| Dynamic bending radius | 15.24 mm |

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| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 125 °C |
| Ordering information  |                   |
| Item number           | Item description  |
| 80370415              | MINIBEND KSR-16   |

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