

# MINIBEND LR-6, SMA (male), SMA (male), ruggedized, low loss, 50 Ohm, 26.5 GHz, 6 in, 152.4 mm

## MINIBEND LR-6

### Properties

- Applicable in frequencies up to 26.5 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 086 size Semi-Rigid cables
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)
- Solderless cable junction
- Low loss PTFE dielectric



| Product configuration        |  |                      |
|------------------------------|--|----------------------|
| Type of cable                |  | MINIBEND LR (32024E) |
| Type description connector A |  | 29094CR-32-24        |
| Series connector A           |  | SMA, straight - plug |
| Type description connector B |  | 29094CR-32-24        |
| Series connector B           |  | SMA, straight - plug |
| Length                       |  | 152.4 mm             |
| Length                       |  | 6 inch               |
| Length type                  |  | REF to REF           |

| Electrical data          |  |             |
|--------------------------|--|-------------|
| Impedance                |  | 50 $\Omega$ |
| Max. operating frequency |  | 26.5 GHz    |
| VSWR max                 |  | 1.4         |
| Propagation velocity     |  | 76 %        |

| Electrical Data (frequency related) |             |          |                |
|-------------------------------------|-------------|----------|----------------|
| Frequency range                     | Return loss | VSWR max | Insertion loss |
| 0 GHz ... 1 GHz                     | 22.06 dB    | 1.16     | 0.2 dB         |
| 1 GHz ... 12.4 GHz                  | 19.08 dB    | 1.25     | 0.54 dB        |
| 12.4 GHz ... 18 GHz                 | 16.53 dB    | 1.35     | 0.69 dB        |
| 18 GHz ... 26.5 GHz                 | 15.56 dB    | 1.4      | 0.85 dB        |

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| Mechanical data        |                   |
|------------------------|-------------------|
| Cable diameter         | 2.64 mm           |
| Static bending radius  | 5.08 mm           |
| Dynamic bending radius | 15.24 mm          |
| Environmental data     |                   |
| Operation temperature  | -55 °C ... 125 °C |
| Ordering information   |                   |
| Item number            | Item description  |
| 80337433               | MINIBEND LR-6     |

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DOCUMENT PIM-P38122 / Date of publication: 04.12.2024 / uncontrolled copy