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DATA SHEET

# MINIBEND-4, SMA (male), SMA (male), 50 Ohm, 24 GHz, 4 in, 101.6 mm

MINIBEND-4

## Properties

- Applicable up to 24 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 | 29094C-32-81 |
| Series connector A | SMA, straight - plug |
| Type description connector B | 29094C-32-81 |
| Series connector B | SMA, straight - plug |
| Length | 101.6 mm |
| Length | 4 inch |
| Length type | REF to REF |

| Electrical data | |
|---|---|
| Impedance | 50 Ω |
| Max. operating frequency | 24 GHz |
| VSWR max | 1.4 |
| Propagation velocity | 70 % |

| Electrical Data (frequency related) | | | |
|---|---|---|---|
| **Frequency range** | **Return loss** | **VSWR max** | **Insertion loss** |
| 0 GHz ... 2 GHz | 20.82 dB | 1.2 | 0.22 dB |
| 2 GHz ... 12.4 GHz | 19.08 dB | 1.25 | 0.48 dB |
| 12.4 GHz ... 18 GHz | 16.53 dB | 1.35 | 0.63 dB |
| 18 GHz ... 24 GHz | 15.56 dB | 1.4 | 0.73 dB |

| Mechanical data | |
|---|---|
| Cable diameter | 2.49 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 |
| 80337942 | MINIBEND-4 |

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