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DATA SHEET

# MINI141-6, SMA (male), SMA (male), 50 Ohm, 26.5 GHz, 6 in, 152.4 mm

MINI141-6

## Properties

- Applicable up to 26.5 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 141 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 | MINI141 (32022E) |
| Type description connector A | 29094CR-32-22 |
| Series connector A | SMA, straight - plug |
| Type description connector B | 29094CR-32-22 |
| Series connector B | SMA, straight - plug |
| Length | 152.4 mm |
| Length | 6 inch |
| Length type | REF to REF |

| Electrical data | |
|---|---|
| Impedance | 50 Ω |
| Max. operating frequency | 26.5 GHz |
| VSWR max | 1.4 |
| Max. insertion loss | 0.72 dB |
| Propagation velocity | 76 % |

| Electrical Data (frequency related) | | | |
|---|---|---|---|
| **Frequency range** | **Return loss** | **VSWR max** | **Insertion loss** |
| 0 GHz ... 2 GHz | 21.66 dB | 1.18 | 0.18 dB |
| 2 GHz ... 12.4 GHz | 18.49 dB | 1.27 | 0.4 dB |
| 12.4 GHz ... 18 GHz | 16.53 dB | 1.35 | 0.55 dB |
| 18 GHz ... 26.5 GHz | 15.56 dB | 1.4 | 0.72 dB |

# MINI141-6, SMA (male), SMA (male), 50 Ohm, 26.5 GHz, 6 in, 152.4 mm

MINI141-6

| Mechanical data | |
|---|---|
| Cable diameter | 3.61 mm |
| Static bending radius | 8.38 mm |
| Dynamic bending radius | 25.15 mm |

| Environmental data | |
|---|---|
| Operation temperature | -55 °C ... 125 °C |

| Ordering information | |
|---|---|
| Item number | Item description |
| 80336872 | MINI141-6 |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
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