

# MINI141-4, SMA (male), SMA (male), 50 Ohm, 26.5 GHz, 4 in, 101.6 mm

## MINI141-4

### 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                       |  | 101.6 mm             |
| Length                       |  | 4 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 ... 2 GHz                     | 21.66 dB    | 1.18     |                |
| 2 GHz ... 12.4 GHz                  | 18.49 dB    | 1.27     |                |
| 12.4 GHz ... 18 GHz                 | 16.53 dB    | 1.35     | 0.45 dB        |
| 18 GHz ... 26.5 GHz                 | 15.56 dB    | 1.4      | 0.6 dB         |

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| 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  |
| 80336843               | MINI141-4         |

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