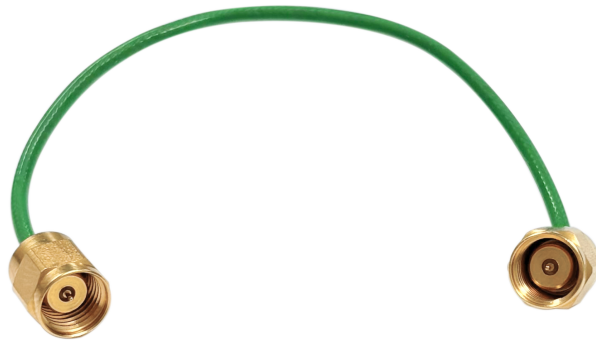


# MICROBEND V-5, 1.85mm (male), 1.85mm (male), 50 Ohm, 65 GHz, 5 in, 127 mm

## MICROBEND V-5

### Properties

- Applicable up to 65 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Solderless cable junction
- Direct replacement for 047 size Semi-Rigid cables
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)
- Tightest bend radius in the MINIBEND family



### Product configuration

|                              |                          |
|------------------------------|--------------------------|
| Type of cable                | MICROBEND R (3204IE)     |
| Type description connector A | 29890CR-32-4I-1          |
| Series connector A           | PC 1.85, straight - plug |
| Type description connector B | 29890CR-32-4I-1          |
| Series connector B           | PC 1.85, straight - plug |
| Length                       | 127 mm                   |
| Length                       | 5 inch                   |
| Length type                  | REF to REF               |

### Electrical data

|                          |             |
|--------------------------|-------------|
| Impedance                | 50 $\Omega$ |
| Max. operating frequency | 65 GHz      |
| VSWR max                 | 1.65        |
| Max. insertion loss      | 1.91 dB     |
| Propagation velocity     | 70 %        |

### Electrical Data (frequency related)

| Frequency range     | Return loss | VSWR max | Insertion loss |
|---------------------|-------------|----------|----------------|
| 0 GHz ... 12.4 GHz  | 18.49 dB    | 1.27     | 0.72 dB        |
| 12.4 GHz ... 18 GHz | 16.53 dB    | 1.35     | 0.86 dB        |
| 18 GHz ... 40 GHz   | 13.32 dB    | 1.55     | 1.46 dB        |
| 40 GHz ... 65 GHz   | 12.2 dB     | 1.65     | 1.91 dB        |

### Mechanical data

|                        |         |
|------------------------|---------|
| Cable diameter         | 1.91 mm |
| Static bending radius  | 1.52 mm |
| Dynamic bending radius | 4.57 mm |

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MICROBEND V-5

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 125 °C |
| Ordering information  |                   |
| Item number           | Item description  |
| 80366545              | MICROBEND V-5     |

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