

# MINI141 K-10, 2.9mm (male), 2.9mm (male), 50 Ohm, 40 GHz, 10 in, 254 mm

MINI141 K-10

## Properties

- Applicable up to 40 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	29094KCR-32-22
Series connector A	PC 2.9, straight - plug
Type description connector B	29094KCR-32-22
Series connector B	PC 2.9, straight - plug
Length	254 mm
	10 inch
Length type	REF to REF

Electrical data	
Impedance	50 $\Omega$
Max. operating frequency	40 GHz
VSWR max	1.45
Propagation velocity	76 %

Electrical Data (frequency related)			
Frequency range	Return loss	VSWR max	Insertion loss
0 GHz ... 2 GHz	23.12 dB	1.15	0.25 dB
2 GHz ... 18 GHz	16.53 dB	1.35	0.71 dB
18 GHz ... 26.5 GHz	15.56 dB	1.4	0.87 dB
26.5 GHz ... 40 GHz	14.71 dB	1.45	1.2 dB

Mechanical data	
Cable diameter	3.61 mm
Static bending radius	8.38 mm

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**Environmental data**

Operation temperature	-55 °C ... 125 °C
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**Ordering information**

Item number	Item description
80336714	MINI141 K-10

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