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DATA SHEET

MINI141 K-12, 2.9mm (male), 2.9mm (male), 50 Ohm, 40 GHz, 12 in, 304.8 mm

MINI141 K-12

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	304.8 mm
Length	12 inch
Length type	REF to REF

Electrical data	
Impedance	50 Ω
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	0.27 dB
2 GHz ... 18 GHz	16.53 dB	1.35	0.8 dB
18 GHz ... 26.5 GHz	15.56 dB	1.4	0.98 dB
26.5 GHz ... 40 GHz	14.71 dB	1.45	1.34 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
80336716	MINI141 K-12

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