

32041E-29171SVCR3-29094KCR-12, SMPS (female), SMA (male), 50 Ohm, 40 GHz, 12 in, 304.8 mm

32041E-29171SVCR3-29094KCR-12

Properties

- Assembly with VITA 67.3 compliant SMPS connector
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 047 size Semi-Rigid cables
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)
- Applicable up to 40 GHz



Product configuration

Configuration type	One pair of assemblies
Type of cable	MICROBEND R (32041E)
Type description connector A	29171SVCR3-32-41
Series connector A	SMPS, straight - jack
Type description connector B	29094KCR-32-41
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	1.55
Max. insertion loss	5.08 dB
Propagation velocity	70.3 %

Electrical Data (frequency related)

Frequency range	Return loss	VSWR max	Insertion loss
0 GHz ... 2 GHz	21.66 dB	1.18	0.68 dB
2 GHz ... 12 GHz	16.53 dB	1.35	2.12 dB
12 GHz ... 18 GHz	15.56 dB	1.4	2.8 dB
18 GHz ... 26.5 GHz	13.97 dB	1.5	3.73 dB
26.5 GHz ... 40 GHz	13.32 dB	1.55	5.08 dB

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Mechanical data	
Weight	29 g
Cable diameter	1.96 mm
Static bending radius	1.52 mm
Environmental data	
Operation temperature	-55 °C ... 125 °C
Ordering information	
Item number	Item description
85259453	32041E-29171SVCR3-29094KCR-12

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