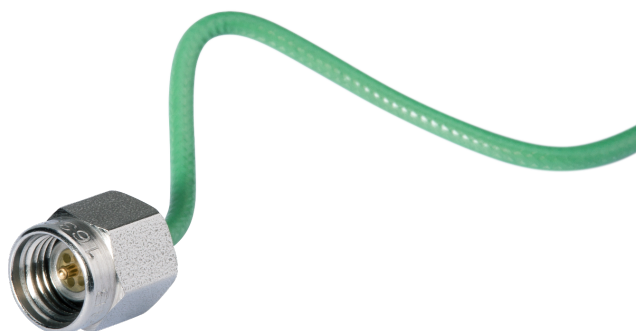


MICROBEND KMTR-6, 2.9mm (male), SMPM-T (female), lead-free solder, 50 Ohm, 40 GHz, 6 in, 152.4 mm

MICROBEND KMTR-6

Properties

- Applicable up to 40 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 047 size Semi-Rigid cables
- Tightest bend radius in the MINIBEND family
- Solderless cable junction
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)
- Lead-free solder for RoHS compliance



Product configuration

Type of cable	MICROBEND R (3204IE)
Type description connector A	29094KCR-32-41
Series connector A	PC 2.9, straight - plug
Type description connector B	29971TCR-32-41
Series connector B	SMPM-T, straight - plug
Length	152.4 mm
Length	6 inch
Length type	REF to REF

Electrical data

Impedance	50 Ω
Max. operating frequency	40 GHz
VSWR max	1.6
Propagation velocity	70 %

Electrical Data (frequency related)

Frequency range	Return loss	VSWR max	Insertion loss
0 GHz ... 2 GHz	20.82 dB	1.2	0.37 dB
2 GHz ... 18 GHz	16.13 dB	1.4	1.05 dB
18 GHz ... 26.5 GHz	14.71 dB	1.5	1.3 dB
26.5 GHz ... 40 GHz	13.32 dB	1.6	1.72 dB

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MICROBEND KMTR-6

Mechanical data	
Cable diameter	1.91 mm
Static bending radius	1.52 mm
Dynamic bending radius	4.57 mm

Environmental data	
Operation temperature	-55 °C ... 125 °C

Ordering information	
Item number	Item description
80362186	MICROBEND KMTR-6

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