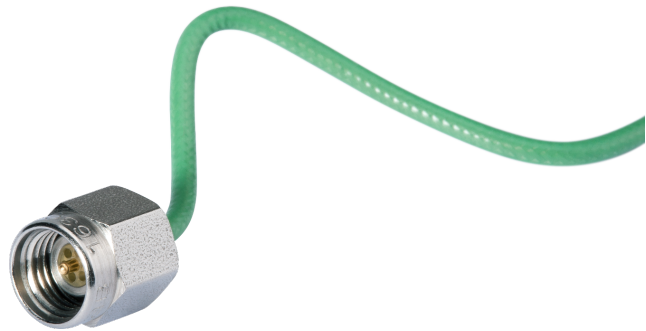


MICROBEND KMTR-3, 2.9mm (male), SMPM-T (female), lead-free solder, 50 Ohm, 40 GHz, 3 in, 76.2 mm

MICROBEND KMTR-3

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	76.2 mm
Length	3 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	0.25 dB
2 GHz ... 18 GHz	16.13 dB	1.4	0.68 dB
18 GHz ... 26.5 GHz	14.71 dB	1.5	0.85 dB
26.5 GHz ... 40 GHz	13.32 dB	1.6	1.15 dB

MICROBEND KMTR-3, 2.9mm (male), SMPM-T (female), lead-free solder, 50 Ohm, 40 GHz, 3 in, 76.2 mm
MICROBEND KMTR-3

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
80370886	MICROBEND KMTR-3

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P44629 / Date of publication: 04.12.2024 / uncontrolled copy