DATA SHEET

MICROBEND 2MTR-3, SMPM-T (female), SMPM-T (female), 50 Ohm, 40 GHz, 3 in, 76.2 mm

MICROBEND 2MTR-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)

Product configuration	
Type of cable	MICROBEND R (32041E)
Type description connector A	29971TCR-32-41
Series connector A	SMPM-T, 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	1.65
Propagation velocity	70 %

Electrical Data (frequency related)			
Frequency range	**Return loss**	**VSWR max**	**Insertion loss**
0 GHz ... 2 GHz	19.08 dB	1.18	0.32 dB
2 GHz ... 12 GHz	16.53 dB	1.35	0.65 dB
12 GHz ... 18 GHz	13.98 dB	1.5	0.81 dB
18 GHz ... 40 GHz	12.2 dB	1.65	1.36 dB

MICROBEND 2MTR-3, SMPM-T (female), SMPM-T (female), 50 Ohm, 40 GHz, 3 in, 76.2 mm

MICROBEND 2MTR-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
80366641	MICROBEND 2MTR-3

DOCUMENT PIM-P38188 / Date of publication: 04.12.2024 / uncontrolled copy