

MICROBEND MTR-6, SMA (male), SMPM-T (male), ruggedized, 50 Ohm, 26.5 GHz, 6 in, 152.4 mm

MICROBEND MTR-6

Properties

- Applicable up to 26.5 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 (32041E)
Type description connector A	29094CR-32-41
Series connector A	SMA, 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	26.5 GHz
VSWR max	1.5
Propagation velocity	70 %

Electrical Data (frequency related)

Frequency range	Return loss	VSWR max	Insertion loss
0 GHz ... 2 GHz	19.08 dB	1.25	0.39 dB
2 GHz ... 18 GHz	14.72 dB	1.45	1.09 dB
18 GHz ... 26.5 GHz	13.98 dB	1.5	1.33 dB

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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	
Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
80361103	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
Ordering information			
Item number		Item description	
80361103		MICROBEND MTR-6	

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