

MICROBEND 2MTR-5, SMPM-T (male), SMPM-T (male), 50 Ohm, 40 GHz, 5 in, 127 mm

MICROBEND 2MTR-5

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 (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	127 mm
Length	5 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	0.39 dB
2 GHz ... 12 GHz	16.53 dB	1.35	0.85 dB
12 GHz ... 18 GHz	13.98 dB	1.5	1.05 dB
18 GHz ... 40 GHz	12.2 dB	1.65	1.74 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
80367803	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
Ordering information			
Item number		Item description	
80367803		MICROBEND 2MTR-5	

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