

MICROBEND 2MR-2.5, SMPM (female), SMPM (female), 50 Ohm, 40 GHz, 2.5 in, 63.5mm

MICROBEND 2MR-2.5

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 R (32041E)
Type description connector A		29971CR-32-41
Series connector A		SMPM, straight - plug
Type description connector B		29971CR-32-41
Series connector B		SMPM, straight - plug
Length		63.5 mm
Length		2.5 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	1.25	0.3 dB
2 GHz ... 12.4 GHz	16.98 dB	1.33	0.61 dB
12.4 GHz ... 18 GHz	14.72 dB	1.45	0.74 dB
18 GHz ... 40 GHz	12.2 dB	1.65	1.27 dB

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

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Ordering information	
Item number	Item description
80336485	MICROBEND 2MR-2.5

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