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DATA SHEET

MICROBEND R-12, SMA (male), SMA (male), ruggedized, 50 Ohm, 26.5 GHz, 12 in, 304.8 mm

MICROBEND R-12

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 R (32041E)
Type description connector A	29094CR-32-41
Series connector A	SMA, straight - plug
Type description connector B	29094CR-32-41
Series connector B	SMA, straight - plug
Length	304.8 mm
Length	12 inch
Length type	REF to REF

Electrical data	
Impedance	50 Ω
Max. operating frequency	26.5 GHz
VSWR max	1.45
Max. insertion loss	2.14 dB
Propagation velocity	70 %

Electrical Data (frequency related)			
Frequency range	**Return loss**	**VSWR max**	**Insertion loss**
0 GHz ... 2 GHz	20.82 dB	1.2	0.57 dB
2 GHz ... 18 GHz	16.13 dB	1.37	1.73 dB
18 GHz ... 26.5 GHz	14.71 dB	1.45	2.14 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

Ordering information	
Item number	Item description
80336649	MICROBEND R-12

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