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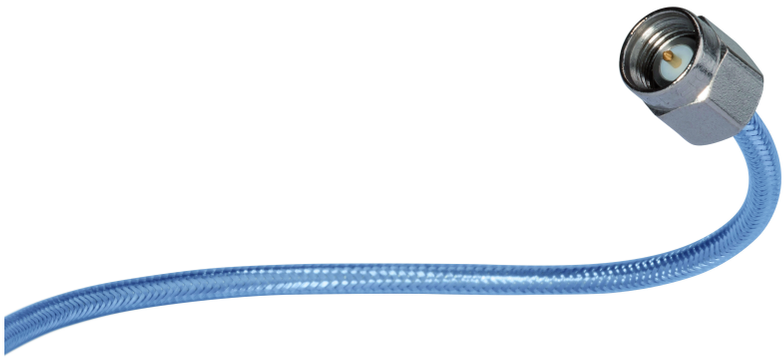
DATA SHEET

MINIBEND R-3, SMA (male), SMA (male), ruggedized, 50 Ohm, 24 GHz, 3 in, 76.2 mm

MINIBEND R-3

Properties

- Applicable up to 24 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 086 size Semi-Rigid cables
- Solderless cable junction
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)



Product configuration	
Type of cable	MINIBEND (32081E)
Type description connector A	29094CR-32-81
Series connector A	SMA, straight - plug
Type description connector B	29094CR-32-81
Series connector B	SMA, straight - plug
Length	76.2 mm
Length	3 inch
Length type	REF to REF

Electrical data	
Impedance	50 Ω
Max. operating frequency	24 GHz
VSWR max	1.4
Propagation velocity	70 %

Electrical Data (frequency related)			
Frequency range	**Return loss**	**VSWR max**	**Insertion loss**
0 GHz ... 2 GHz	20.82 dB	1.2	0.19 dB
2 GHz ... 12.4 GHz	19.08 dB	1.25	0.4 dB
12.4 GHz ... 18 GHz	16.53 dB	1.35	0.55 dB
18 GHz ... 24 GHz	15.56 dB	1.4	0.64 dB

Mechanical data	
Cable diameter	2.54 mm
Static bending radius	5.08 mm
Dynamic bending radius	15.24 mm

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

Ordering information	
Item number	Item description
80337569	MINIBEND R-3

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