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DATA SHEET

MINIBEND LR-4, SMA (male), SMA (male), ruggedized, low loss, 50 Ohm, 26.5 GHz, 4 in, 101.6 mm

Minibend LR-4

Properties

- Applicable in frequencies up to 26.5 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 086 size Semi-Rigid cables
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)
- Solderless cable junction
- Low loss PTFE dielectric



Product configuration	
Type of cable	MINIBEND LR (32024E)
Type description connector A	29094CR-32-24
Series connector A	SMA, straight - plug
Type description connector B	29094CR-32-24
Series connector B	SMA, straight - plug
Length	101.6 mm
Length	4 inch
Length type	REF to REF

Electrical data	
Impedance	50 Ω
Max. operating frequency	26.5 GHz
VSWR max	1.4
Propagation velocity	76 %

Electrical Data (frequency related)			
Frequency range	**Return loss**	**VSWR max**	**Insertion loss**
0 GHz ... 1 GHz	22.06 dB	1.16	0.16 dB
1 GHz ... 12.4 GHz	19.08 dB	1.25	0.42 dB
12.4 GHz ... 18 GHz	16.53 dB	1.35	0.54 dB
18 GHz ... 26.5 GHz	15.56 dB	1.4	0.67 dB

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Mechanical data	
Cable diameter	2.64 mm
Static bending radius	5.08 mm
Dynamic bending radius	15.24 mm

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

Ordering information	
Item number	Item description
80337409	Minibend LR-4

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