

# MICROBEND MVR-2.5, SMPM (female), 1.85 mm (male), ruggedized, 50 Ohm, 65 GHz, 2.5 in, 63.5 mm

## MICROBEND MVR-2.5

### Properties

- Applicable up to 65 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 (3204IE)
Type description connector A	29971CR-32-41
Series connector A	SMPM, straight - plug
Type description connector B	29890CR-32-41-1
Series connector B	PC 1.85, straight - plug
Length	63.5 mm
Length	2.5 inch
Length type	REF to REF

Electrical data	
Impedance	50 $\Omega$
Max. operating frequency	65 GHz
VSWR max	1.8
Propagation velocity	70 %

Electrical Data (frequency related)			
Frequency range	Return loss	VSWR max	Insertion loss
0 GHz ... 12.4 GHz	16.98 dB	1.33	0.51 dB
12.4 GHz ... 18 GHz	15.56 dB	1.4	0.62 dB
18 GHz ... 40 GHz	12.74 dB	1.6	1.07 dB
40 GHz ... 65 GHz	10.88 dB	1.8	1.42 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
80336620	MICROBEND MVR-2.5

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