

MICROBEND R-2.5HT, SMA (male), SMA (male), ruggedized, lead-free solder, 50 Ohm, 26.5 GHz, 2.5 in, 63.5 mm

MICROBEND R-2.5HT

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)
- Lead-free solder for RoHS compliance



Product configuration

Type of cable	MICROBEND R (3204IE)
Type description connector A	29094HTCR-32-41
Series connector A	SMA, straight - plug
Type description connector B	29094HTCR-32-41
Series connector B	SMA, straight - plug
Length	63.5 mm
Length	2.5 inch
Length type	REF to REF

Electrical data

Impedance	50 Ω
Max. operating frequency	26.5 GHz
VSWR max	1.45
Propagation velocity	70 %

Electrical Data (frequency related)

Frequency range	Return loss	VSWR max	Insertion loss
0 GHz ... 2 GHz	20.82 dB	1.2	0.21 dB
2 GHz ... 18 GHz	16.13 dB	1.37	0.58 dB
18 GHz ... 26.5 GHz	14.71 dB	1.45	0.72 dB

MICROBEND R-2.5HT, SMA (male), SMA (male), ruggedized, lead-free solder, 50 Ohm, 26.5 GHz, 2.5 in, 63.5 mm
MICROBEND R-2.5HT

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
80350399	MICROBEND R-2.5HT

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P38167 / Date of publication: 04.12.2024 / uncontrolled copy