PRODUCT DATASHEET

TF100-DV1-090M

TwistFlex PDR/UDR100, 0.9m

Twistable and flexible rectangular waveguide R100,
with PDR/UDR 100 flanges. Length = 0.9m,
core with environmental impact resistant
molded rubber jacket. Hardware and gasket (for PDR/PBR flanges) included.



FEATURES / BENEFITS

Waveguide installation

- The flexible and twistable rectangular waveguide component eliminates installation difficulties
- It isolates vibration
- It provides simple aid to positioning of antennas

Technical features

STRUCTURE

Type of Rectangular Waveguide Component		TwistFlex
Waveguide Size IEC (EIA)		R100 (WR90)
Flange A		PDR100
Flange B		UDR100
Flange Finish		Brass un-plated
Package Quantity		1

ELECTRICAL SPECIFICATIONS

Frequency Range	GHz	8.2 - 12.4
Minimum Return Loss (max. VSWR)	dB (VSWR)	26.4 (1.10)
Attenuation	dB	0.36
Power rating	W	1000

MECHANICAL SPECIFICATIONS

Maximum Twist	degree/m (degree/ft)	156 (47.6)
Minimum Bending Radius E-Plane	mm (in)	66 (2.6)
Minimum Bending Radius H-Plane	mm (in)	130 (5.1)
Length	mm (in)	900 (35.4)

MATERIAL

Material		Core: Brass silver plated Jacket: Vulcanised Neoprene Rubber Flange: Brass
Color		Black

External Document Links

AN 030707-8 Application note for RFS Technologies Twistflex

Notes

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering