PRODUCT DATASHEET

TF090-CC1-048I

TwistFlex 48" (1.2 M)-CPR90G

Fabricated from spiral wound silver plated bronze strip. Includes pressure tight (15 psig) protective neoprene jacket. Allowable twist is 100°/ft for WR75 to 45°/ft. for WR229. Includes mounting hardware for one flange connection except, in cases where flanges are different

FEATURES / BENEFITS



Technical features

STRUCTURE

Type of Rectangular Waveguide Component		TwistFlex
Waveguide Size IEC (EIA)		R100 (WR90)
Flange A		CPR90G
Flange B		CPR90G
Flange Finish		Brass Iridite
Package Quantity		1

ELECTRICAL SPECIFICATIONS

Frequency Range	GHz	10.3 - 11.7
Minimum Return Loss (max. VSWR)	dB (VSWR)	36.6 (1.03)
Attenuation	dB	0.36
Power rating	W	900

MECHANICAL SPECIFICATIONS

Maximum Twist	degree/m (degree/ft)	270 (83)
Minimum Bending Radius E-Plane	mm (in)	63.5 (2.5)
Minimum Bending Radius H-Plane	mm (in)	127 (5)
Length	mm (in)	1219 (48)

External Document Links

Notes

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