

4.4-5.0GHz WICT-EW46 Elliptical Flexible Waveguide (PN#W21CC0068)

产品构造 Waveguide Component Construction

波导结构 Design of waveguide	护套 Anti-corrosion jacket	
	椭圆截面波纹管 Elliptical cross section corrugated tube	
外形尺寸 Boundary dimension	长轴径 Major axis semi diameter	71mm
	短轴径 Minor axis semi diameter	41mm
重量 Weight (Approx.)	1.4kg/m	
法兰规格 Flange Size:	BJ48/WR187	

电气规格 Electrical Specification

工作频率 Operating Frequency Band:	4.4-5.0 GHz
驻波比 VSWR(Return Loss):	≤1.15 (23.12dB)
截止频率 Cut-off Frequency:	2.88GHz

材料 Construction Material

波导管材质 Waveguide Core Raw Material:	Copper
外护套材质 Jacket Material:	PE
护套颜色 Jacket Color:	Black

机械规格 Mechanical Specification

最大扭转角度 Max. Torsion Angle:	2°/m
最小静态弯曲半径 Minimum Bending Radius E Plane, without rebending:	280 mm 11.02in
最小静态弯曲半径 Minimum Bending Radius H Plane, without rebending:	700 mm 27.56in
最小动态弯曲半径 Minimum Bending Radius E Plane, with rebending:	380 mm 14.96in
最小动态弯曲半径 Minimum Bending Radius H Plane, with rebending:	850 mm 33.46in
充气压力 Inflation Pressure (kPa) :	10~50kPa

环境规格 Environmental Specification

操作温度范围 Operating Temperature Range	-50℃ to +85℃
存放温度范围 Storage Temperature Range	-70℃ to +85℃
安装温度范围 Installation Temperature Range	-40℃ to +60℃

标称衰减值 Nominal Attenuation

频率 Frequency GHz	衰减 Attenuation dB/100m	功率 Average Power (kW)	群速 Group Velocity %c	群延迟 Group Delay ns/100m
f=4.4GHz	3.4	8.08	71.4	467.1
f=4.5GHz	3.31	8.21	72.9	457.5
f=4.6GHz	3.26	8.31	74.3	449.1
f=4.7GHz	3.22	8.39	75.5	441.6
f=4.8GHz	3.18	8.45	76.7	434.9
f=4.9GHz	3.14	8.50	77.8	428.9
f=5.0GHz	3.1	8.54	78.8	423.4

配件 Accessories

椭圆波导过渡器 Connector for Elliptical Waveguide	标配 (Standard)
密封窗 Pressure Window	可选 (Optional)
防泄漏片 Contact Shim	可选 (Optional)
穿墙板 Wall/Roof Feed-Through	可选 (Optional)
吊网 Hoisting Grip	可选 (Optional)
线夹 Cable hanger	可选 (Optional)
接地线 Grounding Kit	可选 (Optional)