

7.1-8.5GHz WICT-EW78 Elliptical Flexible Waveguide (PN#W21CC0071)

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	43.6mm
	短轴径 Minor axis semi diameter	25.4mm
重量 Weight (Approx.)	0.67kg/m	
法兰规格 Flange Size:	BJ70/WR137 , BJ84/WR112	

电气规格 Electrical Specification

工作频率 Operating Frequency Band:	7.1-8.5 GHz
驻波比 VSWR(Return Loss):	≤1.15 (23.12dB)
截止频率 Cut-off Frequency:	4.72 GHz

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:	5°/m
最小静态弯曲半径 Minimum Bending Radius E Plane, without rebending:	200 mm 7.87in
最小静态弯曲半径 Minimum Bending Radius H Plane, without rebending:	500mm 19.68in
最小动态弯曲半径 Minimum Bending Radius E Plane, with rebending:	300 mm 11.81in
最小动态弯曲半径 Minimum Bending Radius H Plane, with rebending:	600 mm 23.62in
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=7.1GHz	6.6dB	3.44	74.7	446.5
f=7.2 GHz	6.52 dB	3.48	75.5	441.7
f=7.3GHz	6.46 dB	3.52	76.3	437.3
f=7.4 GHz	6.40 dB	3.56	77	433.1
f=7.5GHz	6.34 dB	3.59	77.7	429.2
f=7.6GHz	6.28 dB	3.62	78.4	425.6
f=7.7GHz	6.22 dB	3.65	79.0	422.2
f=7.8GHz	6.16 dB	3.67	79.6	419.0
f=7.9GHz	6.10 dB	3.70	80.2	416.0
f=8.0GHz	6.04 dB	3.72	80.7	413.1
f=8.1GHz	5.98 dB	3.74	81.3	410.5
f=8.2GHz	5.92 dB	3.76	81.8	407.9
f=8.3GHz	5.86 dB	3.77	82.3	405.5
f=8.4GHz	5.83dB	3.79	82.7	403.2
f=8.5GHz	5.8 dB	3.81	83.2	401.1

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)