

6.4-7.75GHz WICT-EW70 Elliptical Flexible Waveguide (PN#W21CC0070)

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	48.5mm
	短轴径 Minor axis semi diameter	28.4mm
重量 Weight (Approx.)	0.73kg/m	
法兰规格 Flange Size:	BJ70/WR137 , BJ84/WR112	

电气规格 Electrical Specification

工作频率 Operating Frequency Band:	6.4-7.75 GHz
驻波比 VSWR(Return Loss):	≤1.15 (23.12dB)
截止频率 Cut-off Frequency:	4.34 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=6.4GHz	5.52	4.2	73.5	453.9
f=6.5GHz	5.48	4.29	74.4	448.1
f=6.6GHz	5.43	4.37	75.3	442.8
f=6.7GHz	5.38	4.44	76.2	437.8
f=6.8GHz	5.33	4.50	77.0	433.3
f=6.9GHz	5.28	4.56	77.7	429.1
f=7.0GHz	5.23	4.61	78.5	425.1
f=7.1GHz	5.18	4.65	79.1	421.5
f=7.2 GHz	5.13	4.69	79.8	418.0
f=7.3GHz	5.08	4.73	80.4	414.8
f=7.4 GHz	5.03	4.76	81.0	411.8
f=7.5GHz	4.98	4.78	81.6	409.0
f=7.6GHz	4.93	4.81	82.1	406.3
f=7.7GHz	4.88	4.83	82.6	403.8
f=7.75 GHz	4.83	4.83	82.8	402.6

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)