

5.9-7.125GHz WICT-EW65 Elliptical Flexible Waveguide (PN#W21CC0069)

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	51mm
	短轴径 Minor axis semi diameter	30mm
重量 Weight (Approx.)	0.76kg/m	
法兰规格 Flange Size:	BJ70/WR137	

电气规格 Electrical Specification

工作频率 Operating Frequency Band:	5.9-7.125 GHz
驻波比 VSWR(Return Loss):	≤1.15 (23.12dB)
截止频率 Cut-off Frequency:	4.01 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=5.9GHz	4.93	4.7	73.5	460.2
f=6.0GHz	4.85	4.82	74.6	452.6
f=6.1GHz	4.77	4.9	75.7	444.5
f=6.2GHz	4.69	4.98	76.3	440.0
f=6.3GHz	4.64	5.08	77.4	436.4
f=6.4GHz	4.57	5.15	77.9	432.1
f=6.5GHz	4.52	5.19	78.5	429.0
f=6.6GHz	4.46	5.27	79.2	423.9
f=6.7GHz	4.41	5.32	80.9	419.8
f=6.8GHz	4.37	5.39	81.1	416.1
f=6.9GHz	4.33	5.47	81.9	412.5
f=7.0GHz	4.32	5.53	82.5	408.5
f=7.125GHz	4.30	5.60	82.9	405.2

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)