

5.6-6.425GHz WICT-EW60 Elliptical Flexible Waveguide (PN#W21CC0076)

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 diameter	57.2mm
	短轴径 Minor axis diameter	33.3mm
重量 Weight (Approx.)	0.88kg/m	
法兰规格 Flange Size:	BJ70/WR137 BJ58/WR159	

电气规格 Electrical Specification

工作频率 Operating Frequency Band:	5.6-6.425 GHz
驻波比 VSWR(Return Loss):	≤1.15 (23.12dB)
截止频率 Cut-off Frequency:	3.65 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:	4.0°/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:	550mm 21.65in
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:	800 mm 31.49in
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=5.6GHz	4.21	6.89	75.8	439.8
f=5.7GHz	4.14	6.99	76.8	434.3
f=5.8GHz	4.09	7.08	77.7	429.2
f=5.9GHz	4.05	7.16	78.6	424.6
f=6.0GHz	4.01	7.24	79.4	420.3
f=6.1GHz	3.99	7.31	80.1	416.3
f=6.2GHz	3.95	7.38	80.8	412.7
f=6.3GHz	3.92	7.44	81.5	409.2
f=6.4GHz	3.90	7.50	82.1	406.1
f=6.425GHz	3.88	7.52	82.3	405.3

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)