

10.0-11.7GHz WICT-EW105 Elliptical Flexible Waveguide (PN#W21CC0072)

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	32.3mm
	短轴径 Minor axis semi diameter	19.2mm
重量 Weight (Approx.)	0.42kg/m	
法兰规格 Flange Size:	BJ100/WR90 , BJ120/WR75	

电气规格 Electrical Specification

工作频率 Operating Frequency Band:	10.0-11.7 GHz
驻波比 VSWR(Return Loss):	≤1.15 (23.12dB)
截止频率 Cut-off Frequency:	6.49GHz

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:	6°/m
最小静态弯曲半径 Minimum Bending Radius E Plane, without rebending:	130 mm 5.11in
最小静态弯曲半径 Minimum Bending Radius H Plane, without rebending:	280mm 11.03in
最小动态弯曲半径 Minimum Bending Radius E Plane, with rebending:	150 mm 5.91in
最小动态弯曲半径 Minimum Bending Radius H Plane, with rebending:	300 mm 11.81in
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=10.0GHz	10.40 dB	1.69	76.1	438.4
f=10.1GHz	10.22 dB	1.70	76.6	435.3
f=10.2GHz	10.15 dB	1.71	77.1	432.4
f=10.3GHz	10.08 dB	1.72	77.7	429.6
f=10.4GHz	10.01 dB	1.73	78.1	426.9
f=10.5GHz	9.94 dB	1.74	78.6	424.3
f=10.6GHz	9.87 dB	1.75	79.1	421.9
f=10.7GHz	9.80 dB	1.76	79.5	419.6
f=10.8GHz	9.73 dB	1.77	79.9	417.3
f=10.9GHz	9.66 dB	1.78	80.3	415.2
f=11.0GHz	9.59 dB	1.78	80.7	413.1
f=11.1GHz	9.52 dB	1.79	81.1	411.2
f=11.2GHz	9.45 dB	1.79	81.5	409.3
f=11.3GHz	9.38 dB	1.80	81.9	407.5
f=11.4GHz	9.31 dB	1.81	82.2	405.7
f=11.5GHz	9.24 dB	1.81	82.6	404.1
f=11.6GHz	9.17 dB	1.82	82.9	402.4
f=11.7GHz	9.10 dB	1.82	83.2	400.9

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)