

10.7-13.25GHz WICT-EW130 Elliptical Flexible Waveguide (PN#W21CC0073)

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	30.5mm
	短轴径 Minor axis semi diameter	18.7mm
重量 Weight (Approx.)	0.35kg/m	
法兰规格 Flange Size:	BJ100/WR90 , BJ120/WR75	

电气规格 Electrical Specification

工作频率 Operating Frequency Band:	10.7-13.25GHz
驻波比 VSWR(Return Loss):	≤1.15 (23.12dB)
截止频率 Cut-off Frequency:	7.43 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:	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 11.02in
最小动态弯曲半径 Minimum Bending Radius E Plane, with rebending:	150 mm 5.90in
最小动态弯曲半径 Minimum Bending Radius H Plane, with rebending:	380 mm 14.95in
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=10.7GHz	12.7dB	1.12	72.0	463.5
f=10.8GHz	12.65 dB	1.13	72.6	459.6
f=10.9GHz	12.60 dB	1.14	73.2	455.9
f=11.0GHz	12.55 dB	1.15	73.7	452.4
f=11.1GHz	12.50 dB	1.16	74.3	449.0
f=11.2GHz	12.45 dB	1.17	74.8	445.8
f=11.3GHz	12.40 dB	1.18	75.3	442.7
f=11.4GHz	12.35 dB	1.18	75.8	439.8
f=11.5GHz	12.30 dB	1.19	76.3	437.0
f=11.6GHz	12.25 dB	1.20	76.8	434.4
f=11.7GHz	12.20 dB	1.20	77.2	431.8
f=11.8GHz	12.15 dB	1.20	77.7	429.4
f=11.9GHz	12.10 dB	1.21	78.1	427.0
f=12.0GHz	12.05 dB	1.22	78.5	424.8
f=12.1GHz	12.00 dB	1.22	78.9	422.6
f=12.2GHz	11.95 dB	1.23	79.3	420.6
f=12.3GHz	11.90 dB	1.23	79.7	418.6
f=12.4GHz	11.85 dB	1.24	80.1	416.6
f=12.5GHz	11.80 dB	1.24	80.4	414.8
f=12.6GHz	11.75 dB	1.24	80.8	413.0
f=12.7GHz	11.70 dB	1.25	81.1	411.3
f=12.8GHz	11.65 dB	1.25	81.4	409.6
f=12.9GHz	11.60 dB	1.25	81.7	408.0
f=13.0GHz	11.55 dB	1.26	82.1	406.5
f=13.1GHz	11.50 dB	1.26	82.4	405.0
f=13.2GHz	11.45 dB	1.27	82.7	403.6
f=13.25GHz	11.40 dB	1.27	82.8	402.9

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)

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