EW20-21W 苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理



EW20, HELIAX® Standard Elliptical Waveguide, 2.1–2.7 GHz, black PE jacket

Product Classification

Product Type Elliptical waveguide

HELIAX® Product Brand

General Specifications

Jacket Color Black

Performance Note Values typical, unless otherwise stated

Dimensions

Diameter Over Jacket (E Plane) 127.5 mm | 5.02 in **Diameter Over Jacket (H Plane)** 71.9 mm | 2.831 in

Cable Volume 5621 L/km | 60.504 ft³/kft

Electrical Specifications

eTE11 Mode Cutoff 1.57 GHz

Group Delay at Frequency 128 ns/100 ft @ 2.600 GHz | 418 ns/100 m @ 2.600 GHz

Operating Frequency Band 2.1 - 2.7 GHz

VSWR/Return Loss

Frequency Band VSWR Return Loss (dB)

2.1-2.7 GHz 1.15 23.13

Attenuation

Frequency (GHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)	Average Power (kW)	Group Velocity %
2.1	1.687	0.514	28.636	66.4
2.2	1.599	0.487	30.218	70.1

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2.3	1.534	0.468	31.501	73.1
2.4	1.484	0.452	32.559	75.6
2.5	1.445	0.44	33.443	77.8
2.6	1.413	0.431	34.187	79.7
2.7	1.388	0.423	34.818	81.4

Material Specifications

Conductor Material Corrugated copper

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, Multiple Bends (E Plane)660 mm | 25.984 inMinimum Bend Radius, Multiple Bends (H Plane)1800 mm | 70.866 inMinimum Bend Radius, Single Bend (E Plane)460 mm | 18.11 inMinimum Bend Radius, Single Bend (H Plane)1270 mm | 50 inMaximum Twist0.098 °/m | 0.03 °/ft

Environmental Specifications

Installation temperature $-40 \,^{\circ}\text{C to} + 60 \,^{\circ}\text{C (}-40 \,^{\circ}\text{F to} + 140 \,^{\circ}\text{F)}$ Operating Temperature $-55 \,^{\circ}\text{C to} + 85 \,^{\circ}\text{C (}-67 \,^{\circ}\text{F to} + 185 \,^{\circ}\text{F)}$ Storage Temperature $-70 \,^{\circ}\text{C to} + 85 \,^{\circ}\text{C (}-94 \,^{\circ}\text{F to} + 185 \,^{\circ}\text{F)}$

Attenuation, Ambient Temperature $75 \,^{\circ}\text{F}$ | $23.889 \,^{\circ}\text{C}$ Average Power, Ambient Temperature $104 \,^{\circ}\text{F}$ | $40 \,^{\circ}\text{C}$ Average Power, Temperature Rise $42 \,^{\circ}\text{C}$ | $107.6 \,^{\circ}\text{F}$

Packaging and Weights

Cable weight 2.76 kg/m | 1.855 lb/ft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system



