# 222040-] 苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理

### EWP63S, HELIAX® Super Premium Elliptical Waveguide, 6.425–7.125 GHz, unjacketed

**Product Classification** 

Product Type Elliptical waveguide

Product Brand HELIAX®

General Specifications

Performance Note Values typical, unless otherwise stated

**Dimensions** 

 Diameter Over Jacket (E Plane)
 51.1 mm | 2.012 in

 Diameter Over Jacket (H Plane)
 29.5 mm | 1.161 in

 Cable Volume
 855 L/km | 9.203 ft³/kft

**Electrical Specifications** 

eTE11 Mode Cutoff 4.001 GHz

**Group Delay at Frequency** 126 ns/100 ft @ 6.775 GHz | 413 ns/100 m @ 6.775 GHz

**Operating Frequency Band** 6.425 – 7.125 GHz

VSWR/Return Loss

Frequency Band VSWR Return Loss (dB)

**6.425-7.125 GHz** 1.05 32.3

Attenuation

Frequency (GHz) Attenuation (dB/100 m) Attenuation (dB/100 ft) Average Power (kW) **Group Velocity %** 6.425 4.58 1.396 4.739 78.2 6.63 4.492 1.369 4.832 79.7 6.83 4.912 81 4.419 1.347 7.03 4.357 1.328 4.982 82.2

Material Specifications

Conductor Material Corrugated copper

Jacket Material Unjacketed

Mechanical Specifications



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Minimum Bend Radius, Multiple Bends (E Plane)260 mm | 10.236 inMinimum Bend Radius, Multiple Bends (H Plane)740 mm | 29.134 inMinimum Bend Radius, Single Bend (E Plane)180 mm | 7.087 inMinimum Bend Radius, Single Bend (H Plane)510 mm | 20.079 inMaximum Twist3.281 °/m | 1 °/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** 0.76 kg/m | 0.511 lb/ft

#### Regulatory Compliance/Certifications

Agency Classification

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

