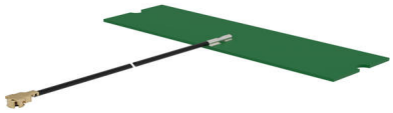
Part Number : 1462200200
Product Description : Wi-Fi 6E+GNSS PCB Cabled Balanced Antenna, 16.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 146220
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

1462200200_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-146220-100-001.pdf

PK-146220-100-001.pdf

PS-146220-100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Antennas
Series	146220
Description	Wi-Fi 6E+GNSS PCB Cabled Balanced Antenna, 16.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	PCB Antenna with Cable
Function	Signal
Product Name	2.4/5GHz GPS-Wi-Fi Antenna
Protocol	BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Combo Wi-Fi/GNSS Antenna
UPC	889056569682

Electrical

Band#1 F_End (MHz)	1602
Band#1 F_Start (MHz)	1575.42
Band#2 F_End (MHz)	2483.5
Band#2 F_Start (MHz)	2400
Band#3 F_End (MHz)	5850

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Band#3 F_Start (MHz)	5150
Band#4 F_End (MHz)	6000
Band#4 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	2.1 @ 1575 MHz, 2.6 @ 2.4 GHz, 3.0 @ 3 GHz, 3.3 @ 5 GHz
Return Loss - S11 (dB)	< -8
Total Efficiency	>69% @ 3 GHz, >73% @ 5 GHz, >74% @ 2.4 GHz, >76% @ 1575 MHz

Physical

Cable Length	200.00mm
Length	53.50mm
Mounting Style	Screw-Nut
Net Weight	2.105/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.81mm
Width	16.60mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms	734120110

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