

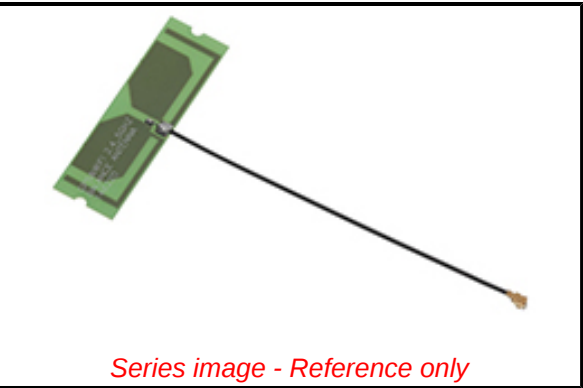
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:1462200200

Status:Active

Overview:Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee

Description:Wi-Fi 6E+GNSS PCB Cabled Balanced Antenna, 16.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors



Documents:	
3D Model	Application Specification AS-146220-100-001 (PDF)
3D Model (PDF)	Packaging Specification PK-146220-100-001 (PDF)
Drawing (PDF)	Datasheet (PDF)
Product Specification PS-146220-100-001 (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	Antennas
Series	146220
Component Type	PCB Antenna with Cable
Function	Signal
Mates With	734120110 Microcoaxial RF, 50 Ohm
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz GPS-Wi-Fi Antenna
Protocol	BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee
Taxonomy	Antennas
Type	Combo Wi-Fi/GNSS Antenna
UPC	889056569682
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
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
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
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-146220-100-001

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Contained Per - D(2022)4187-DC (10 June 2022)	
2-Methyl-1-(4-methylthiophenyl)-2-morpholinoprop	
Halogen-Free	
Status	
Low-Halogen	
For more information, please visit Contact US	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

146220 Series

Packaging Specification
Product Specification
Sales Drawing

PK-146220-100-001
PS-146220-100-001
SD-146220-050-001

This document was generated on 08/25/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION