Part Number : 1461850200
Product Description : Cellular Quad-band Flex Antenna, 15.00mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 146185
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

1461850200_sd.pdf

1461850100-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-146185-100-001.pdf

PS-146185-100-001.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	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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- 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	146185
Description	Cellular Quad-band Flex Antenna, 15.00mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	Multi-band Cellular-Wi-Fi
Protocol	Cellular
Type	Cellular Antenna, Internal
UPC	889056549684

Electrical

Band#1 F_End (MHz)	960
Band#1 F_Start (MHz)	824
Band#2 F_End (MHz)	2700
Band#2 F_Start (MHz)	1710
Band#3 F_End (MHz)	6000
Band#3 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	1.3 @ 824 MHz, 2.9 @ 1710 MHz, 3.5 @ 3 GHz
Return Loss - S11 (dB)	< -4, < -6

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Total Efficiency	>61% @ 824 MHz, >62% @ 3 GHz, >65% @ 1710 MHz

Physical

Cable Length	200.00mm
Length	84.00mm
Mounting Style	Adhesive
Net Weight	1.268/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	15.00mm

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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