



Part Number : [1461850050](#)
Product Description : Cellular Quad-band Flex Antenna, 15.00mm Width, 50.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 146185
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

[1461850050_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(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS

- REACH SVHC
- 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	146185
Description	Cellular Quad-band Flex Antenna, 15.00mm Width, 50.00mm 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	889056549622

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)	1.6 @ 824 MHz, 3.4 @ 1710 MHz, 4.2 @ 3 GHz
Return Loss - S11 (dB)	< -4, < -6
Total Efficiency	>65% @ 824 MHz, >72% @ 1710 MHz, >74% @ 3 GHz

Physical

Cable Length	50.00mm
Length	84.00mm
Mounting Style	Adhesive
Net Weight	0.792/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	<u>734120110</u>

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