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molex



Part Number : 1461840200
Product Description : Ultra Wideband (UWB) PCB Antenna with Balanced Transmission, 17.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 146184
Status : Obsolete
Product Category : Antennas

Documents & Resources

Specifications

AS-146184-100-001.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(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

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- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Obsolete
Category	Antennas
Series	146184
Description	Ultra Wideband (UWB) PCB Antenna with Balanced Transmission, 17.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	PCB Antenna with Cable
Function	Signal
Product Name	Ultra Wideband PCB Antenna
Protocol	UWB
Type	UWB Antenna
UPC	889056591195

Electrical

Band#1 F_End (MHz)	6000
Band#1 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	4.0 @ 3 GHz
Return Loss - S11 (dB)	< -6
Total Efficiency	>62% @ 3 GHz

Physical

Cable Length	200.00mm
Length	47.00mm
Mounting Style	Adhesive

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Net Weight	1.500/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.31mm
Width	17.60mm

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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