



Part Number : 1461840100


Series Number : 146184  
Product Category : Antennas

Product Description : Ultra Wideband (UWB)  
PCB Antenna with Balanced Transmission,  
17.60mm Width, 100.00mm Cable Length,  
Compatible with U.FL / I-PEX MHF Connectors  
Status : Obsolete

Documents & Resources

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
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(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

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

EU RoHS Certificate of Compliance

Part Details

General

Status	Obsolete
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Category	Antennas
Series	146184
Description	Ultra Wideband (UWB) PCB Antenna with Balanced Transmission, 17.60mm Width, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	PCB Antenna with Cable
Function	Signal
Product Family	Ultra-Wideband (UWB) PCB Antenna with Balanced Transmission
Product Name	Ultra Wideband PCB Antenna
Protocol	UWB
Type	Internal, UWB Antenna
UPC	889056591171

## Electrical

Band#1 F_End (MHz)	6000
Band#1 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	4.5 @ 3 GHz
Return Loss - S11 (dB)	< -6
Total Efficiency	>70% @ 3 GHz

## Physical

Cable Length	100.00mm
Length	47.00mm
Mounting Style	Adhesive
Net Weight	1.200/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.31mm
Width	17.60mm

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This document was generated on May 06, 2024