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Part Number: [2119960050](#)
Status: **Active**
Overview: Ultra-Wideband (UWB) PCB Antenna with Balanced Transmission
Description: 5.8-8.5 GHz Ultra Wideband (UWB) Flexible Antenna, 7.60mm Width, 16.40mm Length, 50.00mm Cable Length, Compatible with U.FL/I-PEX MHF Connectors

Documents:
[3D Model](#) [Application Specification 2119960100-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [Packaging Specification 2119960100-001 \(PDF\)](#)
[3D Model \(PDF\)](#) [Datasheet \(PDF\)](#)
[Product Specification 2119960100-000 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

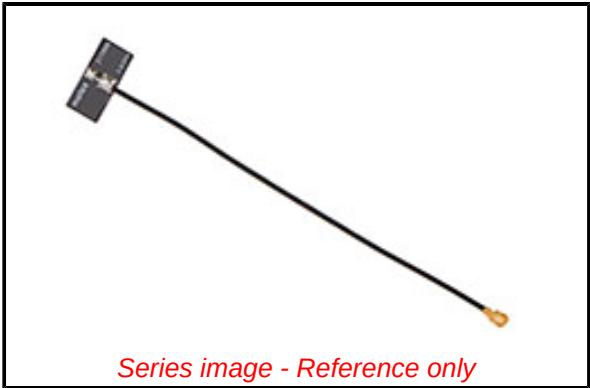
General
Product Family Antennas
Series [211996](#)
Component Type Flexible Antenna with Cable
Function Signal
Overview [Ultra-Wideband \(UWB\) PCB Antenna with Balanced Transmission](#)
Product Name 5.8-8.5GHz UWB Flexible
Protocol UWB
Type UWB Antenna
UPC 193264067817

Physical
Cable Length 50.00mm
Length 16.40mm
Mounting Style Adhesive
Net Weight 0.403/g
Packaging Type PET Film
Polarization Linear
Radiation Pattern Omnidirectional
Thickness 0.16mm
Width 7.60mm

Electrical
Band#1 F_End (MHz) 6000
Band#1 F_Start (MHz) 5800
Band#2 F_End (MHz) 8500
Band#2 F_Start (MHz) 6000
Electrical Connectivity Cable
Peak Gain (dBi) 5.75 @ 5.8-6 GHz, 6.75 @ 6-8.5 GHz
Return Loss - S11 (dB) < -10, < -5
Total Efficiency 79% @ 5.8-6 GHz, >75% @ 5.8-6 GHz

Material Info
Engineering Number 21996-0050

Reference - Drawing Numbers
Application Specification 2119960100-001
Packaging Specification 2119960100-001
Product Specification 2119960100-000
Sales Drawing 2119960100-000



Series image - Reference only

EU ELV
Not Relevant

EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - ECHA_01_2020 (16 January 2020)	
Halogen-Free Status	
Low-Halogen	
For more information, please visit Contact US	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

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[211996 Series](#)