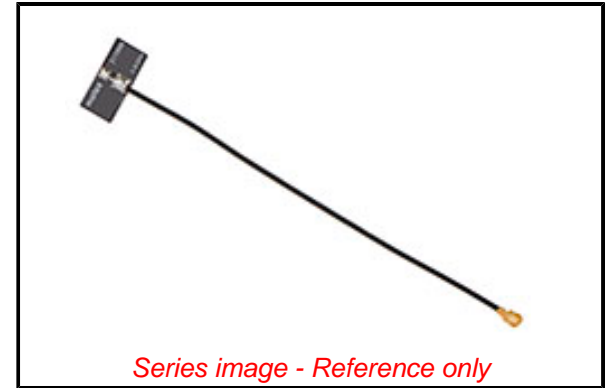


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **2119960100**
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, 100.00mm Cable Length, Compatible with U.FL/I-PEX MHF Connectors

Documents:

3D Model	Application Specification 2119960100-001 (PDF)
3D Model (PDF)	Packaging Specification 2119960100-001 (PDF)
Drawing (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
Taxonomy	Antennas
Type	UWB Antenna
UPC	193264067824

Physical

Cable Length	100.00mm
Length	16.40mm
Mounting Style	Adhesive
Net Weight	0.555/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)	5.5 @ 5.8-6 GHz, 6.4 @ 6-8.5 GHz
Return Loss - S11 (dB)	< -10, < -5
Total Efficiency	>70% @ 6-8.5 GHz, >75% @ 5.8-6 GHz

Material Info

Reference - Drawing Numbers

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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[211996 Series](#)