



Part Number : [2119969100](#)
Product Description : 5.8-8.5 GHz Flexible
Automotive Antenna, 7.60mm Width, 100.00mm Cable
Length, Compatible with MHF-1 Plug
Series Number : 211996
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

- [2119969100_sd.pdf](#)
- [2119969100-001.pdf](#)

3D Models and Design Files

- [STEP AP242](#)
- [SOLIDWORKS](#)
- [Creo](#)

Specifications

- [2119969100-000.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	211996
Description	5.8-8.5 GHz Flexible Automotive Antenna, 7.60mm Width, 100.00mm Cable Length, Compatible with MHF-1 Plug
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	5.8-8.5GHz UWB Flexible
Protocol	UWB
Type	Internal, UWB Antenna
UPC	195842855731

Electrical

Band#1 F_End (MHz)	6000
Band#1 F_Start (MHz)	5800
Band#2 F_End (MHz)	8000
Band#2 F_Start (MHz)	6000
Electrical Connectivity	Cable
Peak Gain (dBi)	5.5 @ 5800 MHz, 6.4 @ 6000 MHz
Return Loss - S11 (dB)	< -10, < -5
Total Efficiency	>70% @ 6000 MHz, >75% @ 5800

	MHz
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Physical

Cable Length	100.00mm
Length	16.40mm
Mounting Style	Adhesive
Net Weight	0.440/g
Packaging Type	PET Film
Radiation Pattern	Omnidirectional
Width	7.60mm