**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 and 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(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C

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- 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

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## 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 |

### Physical

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| | |
|---|---|
| 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 |



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