



Part Number : [1461539050](#)
Product Description : Wi-Fi 6E Flex Cables Balanced Automotive Antenna, 9.00mm Width, 50.00mm Cable Length, Compatible with MHF-1 Plug
Series Number : 146153
Status : Active
Product Category : Antennas

Documents and Resources

Drawings

[1461539050_sd.pdf](#)
[1461539100-001.pdf](#)

3D Models and Design Files

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

Specifications

[1461539100-000.pdf](#)

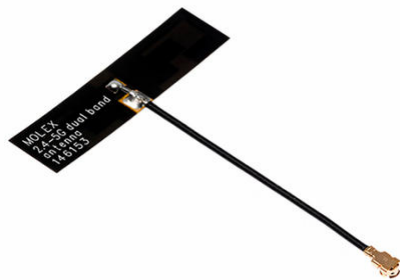
Product Environment Compliance

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
- 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	146153
Description	Wi-Fi 6E Flex Cables Balanced Automotive Antenna, 9.00mm Width, 50.00mm Cable Length, Compatible with MHF-1 Plug
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	2.4/5GHz Balanced Flex Antenna
Protocol	Wi-Fi
Type	Internal, Wi-Fi Antenna
UPC	195842852976

Electrical

Band#1 F_End (MHz)	2500
Band#1 F_Start (MHz)	2400
Band#2 F_End (MHz)	5850
Band#2 F_Start (MHz)	5150
Band#3 F_End (MHz)	7125
Band#3 F_Start (MHz)	5925
Electrical Connectivity	Cable
Peak Gain (dBi)	3.2 @ 2.4 GHz, 4.2 @ 5 GHz

Return Loss - S11 (dB)	< -10
Total Efficiency	>75% @ 5925 MHz, >78% @ 2400 MHz, >79% @ 5150 MHz

Physical

Cable Length	50.00mm
Length	34.90mm
Mounting Style	Adhesive
Net Weight	0.380/g
Packaging Type	PET Film
Radiation Pattern	Omnidirectional
Width	9.00mm

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