

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1461539100](#)
Status: **Active**
Overview: [Internet of Things \(IoT\) Antennas: Wi-Fi, Bluetooth, Zigbee](#)
Description: [Wi-Fi 6E Flex Cables Balanced Automotive Antenna, 9.00mm Width, 100.00mm Cable Length, Compatible with MHF-1 Plug](#)

Documents:

3D Model	Product Specification 1461539100-000 (PDF)
Drawing (PDF)	Datasheet (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Antennas
Series	146153
Component Type	Flexible Antenna with Cable
Function	Signal
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz Balanced Flex Antenna
Protocol	Wi-Fi
Taxonomy	Antennas
Type	Wi-Fi Antenna
UPC	195842852983

Physical

Cable Length	100.00mm
Length	34.90mm
Mounting Style	Adhesive
Net Weight	0.480/g
Packaging Type	PET Film
Radiation Pattern	Omnidirectional
Width	9.00mm

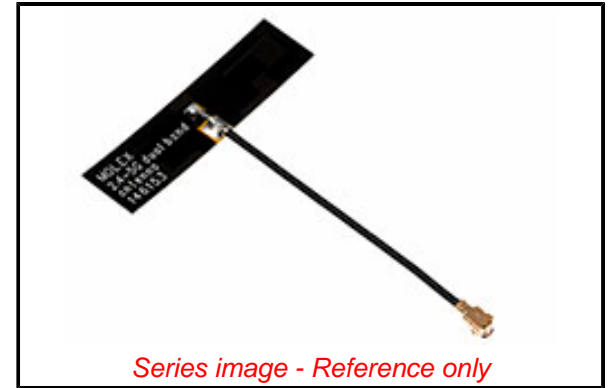
Electrical

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)	3.0 @ 2.4 GHz, 5.5 @ 5.9 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>70% @ 5925 MHz, >75% @ 2400 MHz, >75% @ 5150 MHz

Material Info

Reference - Drawing Numbers

Product Specification	1461539100-000
Sales Drawing	1461539100-000



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

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

[146153 Series](#)