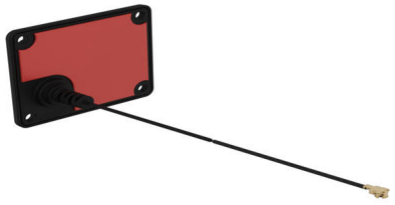
Part Number : 2158680001
Product Description : 2.4GHz / 5GHz Wi-Fi On-Metal Antenna, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 215868
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

2158680001_sd.pdf

2158680001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

2158680001-000.pdf

2158680001-001.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

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- 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	215868
Description	2.4GHz / 5GHz Wi-Fi On-Metal Antenna, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	External Antenna
Product Name	2.4/5GHz On-Metal Antenna
Protocol	BT, DSRC, Wi-Fi
Type	External, Wi-Fi Antenna
UPC	193264779635

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
Peak Gain (dBi)	2.0 @ 2.4 GHz, 5.5 @ 5 GHz
Return Loss - S11 (dB)	< -6
Total Efficiency	>45% @ 5 GHz, >50% @ 2.4 GHz

Physical

Cable Length	300.00mm

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Mounting Style	Adhesive, Screws
Net Weight	7.040/g
Packaging Type	Tray
Polarization	Linear
Radiation Pattern	Omnidirectional
Temperature Range - Operating	-40° to +85°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	U.FL / I-PEX MHF Connector

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