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Part Number: [2158680001](#)
Status: **Active**
Overview: Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Description: 2.4GHz / 5GHz Wi-Fi On-Metal Antenna, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Documents:

Drawing (PDF)	Packaging Specification 2158680001-001 (PDF)
Product Specification 2158680001-001 (PDF)	Datasheet (PDF)
Application Specification 2158680001-000 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Antennas
Series	215868
Component Type	External Antenna
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz On-Metal Antenna
Protocol	BT, DSRC, Wi-Fi
Taxonomy	Antennas
Type	Wi-Fi Antenna
UPC	193264779635

Physical

Cable Length	300.00mm
Mounting Style	Adhesive, Screws
Net Weight	7.040/g
Packaging Type	Tray
Polarization	Linear
Radiation Pattern	Omnidirectional
Temperature Range - Operating	-40° to +85°C

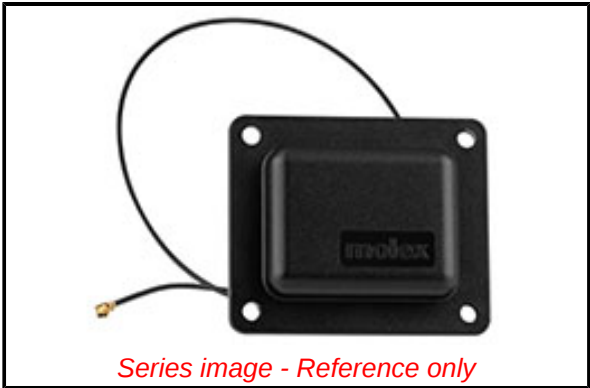
Electrical

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

Material Info

Reference - Drawing Numbers

Application Specification	2158680001-000
Packaging Specification	2158680001-001
Product Specification	2158680001-001
Sales Drawing	2158680001-000



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

[215868](#) Series

Mates With

U.FL / I-PEX MHF Connector