



Part Number : [2144140001](#)
Product Description : ISM/DSRC Hinged External Antenna, with SMA Male Connector, Black
Series Number : 214414
Status : Active
Product Category : Antennas
Engineering Number : 214414-001

Documents & Resources


Drawings
[Drawing 2144140001_sd.pdf](#)
[Packaging Design Drawing 2128600001-PK1.pdf](#)

3D Models and Design Files
[3D Model 2144140001_stp.zip](#)
[3D Model PDF 2144140001.pdf](#)

Specifications
[Application Specification 2144140001-AS.pdf](#)
[Product Specification 2144140001-PS.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

[Multiple Part Product Compliance Statements](#)
- Eu RoHS

- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Antennas
Series	214414
Description	ISM/DSRC Hinged External Antenna, with SMA Male Connector, Black
Component Type	External Antenna
Function	Signal
Product Family	Industrial, Scientific and Medical (ISM) Antennas
Product Name	ISM/DSRC Hinged Antenna
Protocol	DSRC, ISM
Type	External
UPC	193264434770

Electrical

Band#1 F_End (MHz)	6000
Band#1 F_Start (MHz)	5800
Electrical Connectivity	Cable
Peak Gain (dBi)	3.9 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>75% @ 5 GHz

Physical

Length	108.40mm
--------	----------

Mounting Style	N/A
Net Weight	9.250/g
Packaging Type	Bag
Polarization	Linear
Radiation Pattern	Omnidirectional
Temperature Range - Operating	-40° to +85°C
Width	9.35mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	SMA Jack Receptacle

This document was generated on Sep 04, 2023