Part Number : 2169420001
Product Description : Wi-FI GNSS Chip Combo Antenna, Surface Mount, 1.60mm by 3.20mm
Series Number : 216942
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

2169420001_sd.pdf

2169420001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

2169420001-000.pdf

2169420001-001.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

Downloaded from Arrow.com.

- 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	216942
Description	Wi-FI GNSS Chip Combo Antenna, Surface Mount, 1.60mm by 3.20mm
Component Type	External Antenna
Product Name	Wi-Fi GNSS Chip Combo Antenna
Protocol	BLE, BT, Galileo, Wi-Fi
Type	Combo Wi-Fi/GNSS Antenna
UPC	195842206410

Electrical

Band#1 F_End (MHz)	1563.14
Band#1 F_Start (MHz)	1561
Band#2 F_End (MHz)	1576.44
Band#2 F_Start (MHz)	1574.39
Band#3 F_End (MHz)	1606
Band#3 F_Start (MHz)	1598
Band#4 F_End (MHz)	2500
Band#4 F_Start (MHz)	2400
Band#5 F_End (MHz)	5850

Downloaded from Arrow.com.

Band#5 F_Start (MHz)	5150
Peak Gain (dBi)	0.4 @ 1561 MHz, 0.8 @ 1574 MHz, 0.8 @ 1598 MHz, 1.3 @ 2.4 GHz, 3.0 @ 5 GHz
Return Loss - S11 (dB)	< -10, < -5, < -6, < -7
Total Efficiency	>40% @ 1561 MHz, >45% @ 1574 MHz, >45% @ 1598 MHz, >50% @ 2.4 GHz, >65% @ 5 GHz

Physical

Length	3.20mm
Mounting Style	Surface Mount
Net Weight	0.020/g
Packaging Type	Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	1.20mm
Width	1.60mm

Downloaded from Arrow.com.