



Part Number : [1462160001](#)
Product Description : RHCP LDS SMT GPS Antenna
Series Number : 146216
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

[1462160001_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Specifications

[AS-146216-001-001.pdf](#)

[PK-146216-001-001.pdf](#)

[PS-146216-001-001.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(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS
- REACH SVHC

- 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	146216
Description	RHCP LDS SMT GPS Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Name	RHCP LDS GPS Antenna
Protocol	GPS
Type	GPS Antenna, Internal
UPC	889056690140

Electrical

Band#1 F_End (MHz)	1566
Band#1 F_Start (MHz)	1556
Band#2 F_End (MHz)	1580
Band#2 F_Start (MHz)	1571
Band#3 F_End (MHz)	1607
Band#3 F_Start (MHz)	1597
Electrical Connectivity	SMD
Peak Gain (dBi)	0.6 @ 1561 MHz, 1.1 @ 1575 MHz, 1.1 @ 1602 MHz
Return Loss - S11 (dB)	< -10

Total Efficiency	>55% @ 1561 MHz, >57% @ 1575 MHz, >60% @ 1602 MHz
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Physical

Cable Length	N/A
Length	11.80mm
Mounting Style	Surface Mount
Net Weight	0.655/g
Packaging Type	Embossed Tape on Reel
Polarization	Right Handed Circular
Radiation Pattern	Omnidirectional
Thickness	5.95mm
Width	11.50mm