



Part Number : [1462160001](#)

Series Number : 146216

Product Category : Antennas

Product Description : RHCP LDS SMT GPS Antenna

Status : Active

Documents & Resources

Drawings

[Drawing 1462160001\\_sd.pdf](#)

3D Models and Design Files

[3D Model 1462160001\\_stp.zip](#)

[HFSS Model 1462160001\\_HFSS.zip](#)

Specifications


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

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

[Product Specification PS-146216-001-001.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	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant 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

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### Part Details

#### General

Status	Active
Category	Antennas
Series	146216
Description	RHCP LDS SMT GPS Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Family	GNSS/GPS Antennas
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

#### 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