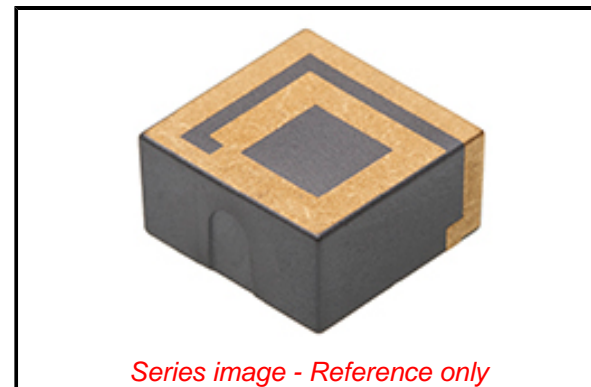


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**Part Number:** [1462160001](#)  
**Status:** **Active**  
**Overview:** GNSS/GPS Antennas  
**Description:** RHCP LDS SMT GPS Antenna

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification AS-146216-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-146216-001-001 (PDF)</a>
<a href="#">HFSS Model</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-146216-001-001 (PDF)</a>	



**General**

Product Family	Antennas
Series	<a href="#">146216</a>
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	<a href="#">GNSS/GPS Antennas</a>
Product Name	RHCP LDS GPS Antenna
Protocol	GPS
Taxonomy	Antennas
Type	GPS Antenna
UPC	889056690140

**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

**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

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-146216-001-001
Packaging Specification	PK-146216-001-001
Product Specification	PS-146216-001-001
Sales Drawing	SD-146216-001-001

**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**

[146216 Series](#)

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