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

Documents:

3D Model (PDF)	Application Specification AS-146216-001-001 (PDF)
3D Model	Packaging Specification PK-146216-001-001 (PDF)
HFSS Model	Datasheet (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-146216-001-001 (PDF)	

General

Product Family	Antennas
Series	146216
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	GNSS/GPS Antennas
Product Name	RHCP LDS GPS Antenna
Protocol	GPS
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

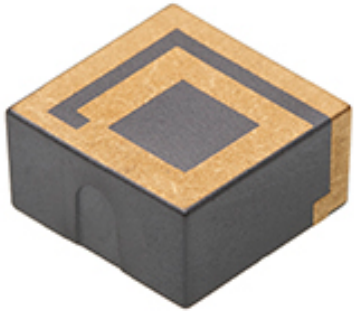
Electrical

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2021)10043-DC (17
Jan 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[146216 Series](#)

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