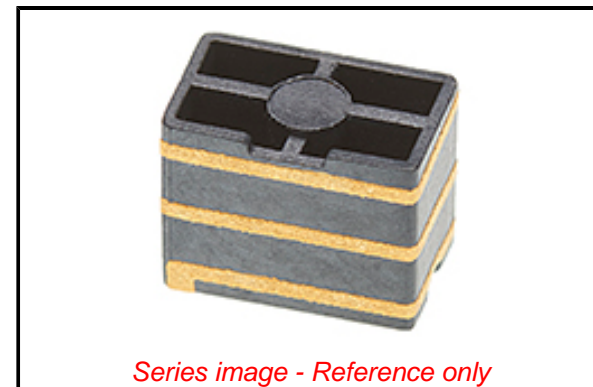


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1462350001](#)  
**Status:** **Active**  
**Overview:** [GNSS/GPS Antennas](#)  
**Description:** Helix SMT GPS Antenna

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 1462350001-AS (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification 1462350001-PK (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 1462350001-PS (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**

Product Family	Antennas
Series	<a href="#">146235</a>
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	<a href="#">GNSS/GPS Antennas</a>
Product Name	Helix SMT GPS Antenna
Protocol	BeiDou, Galileo, GLONASS, GPS
Type	GNSS Antenna
UPC	889056690010

**Physical**

Cable Length	N/A
Length	5.00mm
Mounting Style	Surface Mount
Net Weight	0.058/g
Packaging Type	Embossed Tape on Reel
Polarization	Elliptic
Radiation Pattern	Omnidirectional
Thickness	4.00mm
Width	3.00mm

**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)	0.7 @ 1561 MHz, 1.1 @ 1575 MHz, 1.1 @ 1602 MHz
Return Loss - S11 (dB)	< -8
Total Efficiency	>50% @ 1561 MHz, >50% @ 1602 MHz, >55% @ 1575 MHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	1462350001-AS
Packaging Specification	1462350001-PK
Product Specification	1462350001-PS
Sales Drawing	1462350001-000

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**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**

[146235 Series](#)