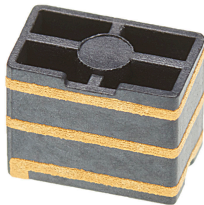




Part Number : [1462350001](#)
Product Description : Helix SMT GPS Antenna
Series Number : 146235
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

[Drawing 1462350001_sd.pdf](#)
[Packaging Design Drawing 1462350001-PK.pdf](#)

3D Models and Design Files


[3D Model 1462350001_stp.zip](#)
[HFSS Model 1462350001_HFSS.zip](#)

Specifications

[Application Specification 1462350001-AS.pdf](#)
[Product Specification 1462350001-PS.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(2023)3788-DC (14 Jun 2023)
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

Part Details

General

Status	Active
Category	Antennas
Series	146235
Description	Helix SMT GPS Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Family	GNSS/GPS Antennas
Product Name	Helix SMT GPS Antenna
Protocol	BeiDou, Galileo, GLONASS, GPS
Type	GNSS Antenna, Internal
UPC	889056690010

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

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