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

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification 1462350001-PS \(PDF\)](#)
[Application Specification 1462350001-AS \(PDF\)](#)
[Packaging Specification 1462350001-PK \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)
[Product Literature \(PDF\)](#)

General
Product Family Antennas
Series [146235](#)
Component Type Surface Mount Device Antenna
Overview [Antennas](#)
Product Literature Order No 987651-5071
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 @ 1561M, 1.1 @ 1575M, 1.1 @ 1602M
Return Loss - S11 (dB) < -8
Total Efficiency >50% @ 1561M, >50% @ 1602M, >55% @ 1575M

Material Info

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



Series image - Reference only

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per -
ED/61/2018 (27 June
2018)
Halogen-Free
Status
Low-Halogen
**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

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