



Part Number : [1461680001](#)
Product Description : RHCP Ceramic GPS Antenna
Series Number : 146168
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

[Drawing 1461680001_sd.pdf](#)
[Packaging Design Drawing 1461680001-PK.pdf](#)

3D Models and Design Files


[3D Model 1461680001_stp.zip](#)

Specifications

[Application Specification 1461680001-AS.pdf](#)
[Product Specification 1461680001-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(2024)4144-DC (27 June 2024)
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	146168
Description	RHCP Ceramic GPS Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Family	GNSS/GPS Antennas
Product Name	RHCP Ceramic GPS Antenna
Protocol	GPS
Type	GPS Antenna, Internal
UPC	191128000215

Electrical

Band#1 F_End (MHz)	1578
Band#1 F_Start (MHz)	1572
Electrical Connectivity	SMD
Peak Gain (dBi)	5.5 @ 1575 MHz
Return Loss - S11 (dB)	< -15
Total Efficiency	>75% @ 1575 MHz

Physical

Cable Length	N/A
Length	25.00mm
Mounting Style	Surface Mount
Net Weight	9.319/g
Packaging Type	Tray
Polarization	Right Handed Circular
Radiation Pattern	Omnidirectional

Thickness	4.00mm
Width	25.00mm

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