



Part Number : 2122030001

Series Number : 212203

Product Category : Antennas

Product Description : GPS L1/L5 25.00mm
Stacked Patch Antenna

Status : Active

Documents & Resources

Drawings

Drawing 2122030001_sd.pdf

Packaging Design Drawing 2122030001-001.pdf

3D Models and Design Files

3D Model 2122030001_stp.zip

Specifications

Application Specification 2122030001-000.pdf

Product Specification 2122030001-001.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

Part Details

General

Status	Active
Category	Antennas
Series	212203
Description	GPS L1/L5 25.00mm Stacked Patch Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Family	GNSS/GPS Antennas
Product Name	Stacked Patch GPS Antenna
Protocol	GPS
Type	GPS Antenna, Internal
UPC	193264067008

Electrical

Band#1 F_End (MHz)	1181
Band#1 F_Start (MHz)	1171
Band#2 F_End (MHz)	1580
Band#2 F_Start (MHz)	1570
Electrical Connectivity	SMD
Peak Gain (dBi)	3.1 @ 1176 MHz, 4.9 @ 1575 MHz
Return Loss - S11 (dB)	< -15, < -20
Total Efficiency	>65% @ 1176 MHz, >75% @ 1575 MHz

Physical

Length	25.00mm
Mounting Style	Adhesive, Surface Mount
Net Weight	17.414/g
Packaging Type	Tray
Polarization	Right Handed Circular

Radiation Pattern	Omnidirectional
Thickness	8.00mm
Width	25.00mm