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molex

Part Number : 1462000001
Product Description : 698MHz-2.7GHz Cellular Ceramic Antenna, SMT
Series Number : 146200
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

1462000001_sd.pdf

1462000001-PK.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

1462000001-AS.pdf

1462000001-PS.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Antennas
Series	146200
Description	698MHz-2.7GHz Cellular Ceramic Antenna, SMT
Component Type	Surface Mount Device Antenna
Function	Signal
Product Name	Full LTE SMT Antenna
Protocol	Cellular
Type	Cellular Antenna, Internal, LPWAN
UPC	889056789929

Electrical

Band#1 F_End (MHz)	960
Band#1 F_Start (MHz)	698
Band#2 F_End (MHz)	2700
Band#2 F_Start (MHz)	1710
Electrical Connectivity	SMD
Peak Gain (dBi)	0.2 @ 698 MHz, 3.8 @ 1710 MHz
Return Loss - S11 (dB)	< -4, < -5
Total Efficiency	>40% @ 698 MHz, >60% @ 1710 MHz

Physical

Cable Length	N/A
Length	40.00mm
Mounting Style	Surface Mount
Net Weight	3.812/g
Packaging Type	Embossed Tape on Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	5.00mm
Width	5.00mm