



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



Documents & Resources

Drawings

[Drawing 1462000001_sd.pdf](#)
[Packaging Design Drawing 1462000001-PK.pdf](#)

3D Models and Design Files

[3D Model 1462000001_stp.zip](#)

Specifications

[Application Specification 1462000001-AS.pdf](#)
[Product Specification 1462000001-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	146200
Description	698MHz-2.7GHz Cellular Ceramic Antenna, SMT
Component Type	Surface Mount Device Antenna
Function	Signal
Product Family	LTE Cellular Antennas
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

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