This document was generated on 03/10/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 2144290011
Status: Active
Overview: LTE Cellular Antennas
Description: 5GHz Compatible Hinged External Antenna, with Reverse Polar SMA Male Connector, Black

Series image - Reference only

Documents:

3D Model
3D Model (PDF)
Drawing (PDF)
Product Specification 2144290001-001 (PDF)
Application Specification 2144290001-000 (PDF)
Packaging Specification 2135230001-001 (PDF)
RoHS Certificate of Compliance (PDF)

General	
Product Family	Antennas
Series	214429
Component Type	External Antenna
Function	Signal
Mates With	Reverse Polar SMA Female Receptacle
Overview	LTE Cellular Antennas
Product Name	5G Cellular Antenna
Protocol	Cellular
Type	External Antenna
UPC	193264436088
Physical	
Length	171.50mm
Mounting Style	N/A
Net Weight	14.143/g
Packaging Type	PET Bag
Polarization	Linear
Radiation Pattern	Omnidirectional
Width	19.40mm
Electrical	
Band#1 F_End (MHz)	960
Band#1 F_Start (MHz)	698
Band#2 F_End (MHz)	2690
Band#2 F_Start (MHz)	1710
Band#3 F_End (MHz)	4200
Band#3 F_Start (MHz)	3300
Band#4 F_End (MHz)	5000
Band#4 F_Start (MHz)	4400
Electrical Connectivity	Cable
Peak Gain (dBi)	1.6 @ 698 MHz, 3.5 @ 4400 MHz, 3.6 @ 3300 MHz, 5.5 @ 1710 MHz
Return Loss - S11 (dB)	< -10, < -5
Total Efficiency	>55% @ 4400 MHz, >55% @ 698 MHz, >60% @ 3300 MHz, >70% @ 1710 MHz
Material Info	
Reference - Drawing Numbers	
Application Specification	2144290001-000
Packaging Specification	2135230001-001
Product Specification	2144290001-001
Sales Drawing	2144290001-000

EU ELV
Not Relevant

EU RoHS
Compliant with Exemption 6(c)

China RoHS

REACH SVHC
Contained Per - ECHA_01_2020 (16 January 2020)
Lead

Halogen-Free Status
Low-Halogen

For more information, please visit Contact US

China ROHS	50 Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
214429 Series

This document was generated on 03/10/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION