

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

2144291011

Status:

Active

Overview:

LTE Cellular Antennas

Description:

5GHz Compatible Hinged External Antenna, with Reverse Polar SMA Male Connector, White



Documents:	
3D Model	Application Specification 2144290001-000 (PDF)
3D Model (PDF)	Packaging Specification 2135230001-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 2144290001-001 (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	193264436101
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	China RoHS
Compliant with Exemption 6(c)	
REACH SVHC	
Contained Per - D(2020)9139-DC (19 Jan 2021)	
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 12/17/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION