molex
one company > a world of innovation

This document was generated on 02/18/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 1462340300
Status: Active
Overview: LTE Cellular Antennas
Description: 698MHz-6GHz Wide Band Antenna, 300.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors



Series image - Reference only

Documents:

- 3D Model
- 3D Model (PDF)
- Drawing (PDF)
- Product Specification 1462340100-PS (PDF)
- Application Specification 1462340100-AS (PDF)
- Packaging Specification 1462340100-PK (PDF)
- Datasheet (PDF)
- RoHS Certificate of Compliance (PDF)

General

Product Family	Antennas
Series	146234
Component Type	Flexible Antenna with Cable
Function	Signal
Mates With	734120110 Microcoaxial RF, 50 Ohm
Overview	LTE Cellular Antennas
Product Name	698MHz-6GHz Wide Band Antenna
Protocol	Cellular
Type	Cellular Antenna
UPC	191128461702

Physical

Cable Length	300.00mm
Length	140.00mm
Mounting Style	Adhesive
Net Weight	1.900/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	20.00mm

Electrical

Band#1 F_End (MHz)	960
Band#1 F_Start (MHz)	698
Band#2 F_End (MHz)	2700
Band#2 F_Start (MHz)	1500
Band#3 F_End (MHz)	6000
Band#3 F_Start (MHz)	2700
Electrical Connectivity	Cable
Peak Gain (dBi)	1.4 @ 698 MHz, 2.2 @ 1500 MHz, 4.2 @ 2.7 GHz
Return Loss - S11 (dB)	< -4, < -5
Total Efficiency	>58% @ 2.7 GHz, >62% @ 1500 MHz, >66% @ 698 MHz

Material Info

Reference - Drawing Numbers

Application Specification	1462340100-AS
Packaging Specification	1462340100-PK
Product Specification	1462340100-PS
Sales Drawing	1462340100-SD

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

REACH SVHC
Not Contained Per - ECHA_01_2020 (16 January 2020

Halogen-Free Status
Low-Halogen

For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
146234 Series

This document was generated on 02/18/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION