



Part Number : [1462340100](#)
Product Description : 698MHz-6GHz Wide
Band Antenna, 100.00mm Cable Length,
Compatible with U.FL / I-PEX MHF Connectors
Series Number : 146234
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

[Drawing 1462340100_sd.pdf](#)
[Packaging Design Drawing 1462340100-PK.pdf](#)

3D Models and Design Files


[3D Model 1462340100_stp.zip](#)
[3D Model PDF 1462340100.pdf](#)

Specifications

[Application Specification 1462340100-AS.pdf](#)
[1462340100-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	146234
Description	698MHz-6GHz Wide Band Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Family	LTE Cellular Antennas
Product Name	698MHz-6GHz Wide Band Antenna
Protocol	Cellular
Type	Cellular Antenna, Internal
UPC	191128461665

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)	1.8 @ 698 MHz, 2.8 @ 1500 MHz, 5.0 @ 2.7 GHz
Return Loss - S11 (dB)	< -4, < -5
Total Efficiency	>70%

Physical

Cable Length	100.00mm
Length	140.00mm
Mounting Style	Adhesive
Net Weight	1.300/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	20.00mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height	<u>0734120110</u>

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