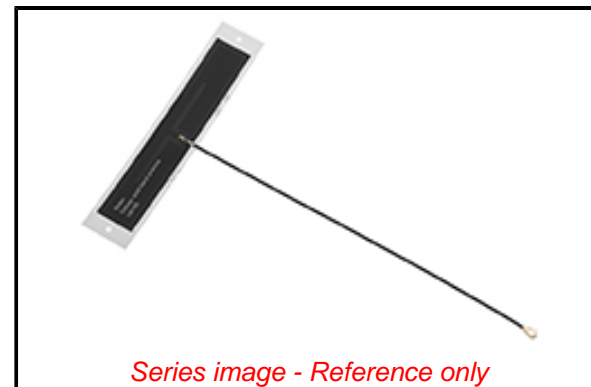


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **1461850100**
Status: **Active**
Overview: LTE Cellular Antennas
Description: Cellular Quad-band Flex Antenna, 15.00mm Width, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Documents:

3D Model	Application Specification AS-146185-100-001 (PDF)
Drawing (PDF)	Packaging Specification 1461850100-000 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification PS-146185-100-001 (PDF)	RoHS Certificate of Compliance (PDF)



General

Product Family	Antennas
Series	146185
Component Type	Flexible Antenna with Cable
Function	Signal
Mates With	734120110 Microcoaxial RF, 50 Ohm
Overview	<u>LTE Cellular Antennas</u>
Product Name	Multi-band Cellular-Wi-Fi
Protocol	Cellular
Type	Cellular Antenna
UPC	889056549660

Physical

Cable Length	100.00mm
Length	84.00mm
Mounting Style	Adhesive
Net Weight	0.945/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	15.00mm

Electrical

Band#1 F_End (MHz)	960
Band#1 F_Start (MHz)	824
Band#2 F_End (MHz)	2700
Band#2 F_Start (MHz)	1710
Band#3 F_End (MHz)	6000
Band#3 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	1.5 @ 824 MHz, 3.2 @ 1710 MHz, 4.0 @ 3 GHz
Return Loss - S11 (dB)	< -4, < -6
Total Efficiency	>64% @ 824 MHz, >70% @ 1710 MHz, >70% @ 3 GHz

Material Info

Reference - Drawing Numbers

Application Specification	AS-146185-100-001
Packaging Specification	1461850100-000
Product Specification	PS-146185-100-001
Sales Drawing	SD-146185-050-001

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

146185 Series