



Part Number : [2091420180](#)
Product Description : 698MHz-4000MHz Flexible Antenna, 180.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 209142
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

[2091420180_sd.pdf](#)
[2091420180-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)
[SOLIDWORKS](#)
[Creo](#)

Specifications

[2091420180-000.pdf](#)
[2091420180-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Antennas
Series	209142
Description	698MHz-4000MHz Flexible Antenna, 180.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	698-4000MHz Flexible Antenna
Protocol	Cellular
Type	Cellular Antenna, Internal
UPC	191130157549

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)	3800
Band#3 F_Start (MHz)	3300
Electrical Connectivity	Cable

Peak Gain (dBi)	1.2 @ 698 MHz, 2.7 @ 3300 MHz, 5.2 @ 1710 MHz
Return Loss - S11 (dB)	< -10, < -5
Total Efficiency	>45% @ 698 MHz, >55% @ 1710 MHz, >55% @ 3300 MHz

Physical

Cable Length	180.00mm
Length	85.00mm
Mounting Style	Adhesive
Net Weight	1.164/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	14.50mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms	<u>734120110</u>