



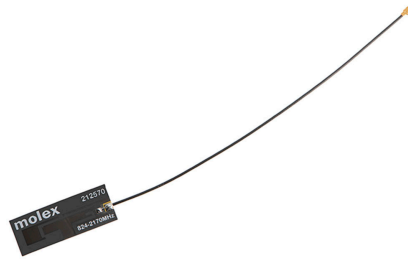
**Part Number :** [2125700100](#)

**Product Description :** 824MHz-2170MHz Side-Fed Cellular Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Series Number :** 212570

**Status :** Active

**Product Category :** Antennas



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## Documents & Resources

### Drawings

[2125700100\\_sd.pdf](#)

[2125700100-001.pdf](#)

### 3D Models and Design Files

[2125700100\\_stp.zip](#)

### Specifications

[2125700100-000.pdf](#)

[2125700100-001.pdf](#)

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## 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(2024)4144-DC (27 June 2024)
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

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## Part Details

### General

Status	Active
Category	Antennas
Series	212570
Description	824MHz-2170MHz Side-Fed Cellular Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	Side-Fed Cellular Flexible
Protocol	Cellular
Type	Cellular Antenna, Internal
UPC	193264168675

### Electrical

Band#1 F_End (MHz)	960
Band#1 F_Start (MHz)	824
Band#2 F_End (MHz)	2170
Band#2 F_Start (MHz)	1710
Electrical Connectivity	Cable
Peak Gain (dBi)	-0.45 @ 824 MHz, 1.76 @ 1710 MHz
Return Loss - S11 (dB)	< -3, < -4
Total Efficiency	>25% @ 824 MHz, >50% @ 1710 MHz

### Physical

Cable Length	100.00mm
Length	40.40mm
Mounting Style	Adhesive

Net Weight	0.744/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	15.40mm

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height	<u>734120110</u>