



**Part Number :** [2072350100](#)  
**Product Description :** 824MHz-2170MHz Cellular Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors  
**Series Number :** 207235  
**Status :** Active  
**Product Category :** Antennas



## Documents & Resources

### Drawings

[2072350100\\_sd.pdf](#)  
[2072350100-PK.pdf](#)

### 3D Models and Design Files

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

### Specifications

[2072350100-AS.pdf](#)  
[2072350100-PS.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                              |
| 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)4165-DC (25 June 2025)                                                           |
| 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         | 207235                                                                                                       |
| Description    | 824MHz-2170MHz 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   | Cellular Flexible Antenna                                                                                    |
| Protocol       | Cellular                                                                                                     |
| Type           | Cellular Antenna, Internal                                                                                   |
| UPC            | 191128861267                                                                                                 |

### 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 @ 824 MHz, 4.3 @ 1710 MHz |
| Return Loss - S11 (dB)  | < -4, < -6                  |

|                  |                                 |
|------------------|---------------------------------|
| Total Efficiency | >30% @ 824 MHz, >60% @ 1710 MHz |
|------------------|---------------------------------|

**Physical**

|                   |                 |
|-------------------|-----------------|
| Cable Length      | 100.00mm        |
| Length            | 40.40mm         |
| Mounting Style    | Adhesive        |
| Net Weight        | 0.771/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      |
| MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms | <u>734120110</u> |

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