**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 and 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)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS

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- 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

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## 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 |

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| | |
|---|---|
| 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 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms | 734120110 |



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