



**Part Number :** [2133530100](#)

**Product Description :** LTE/GPS Combo Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL/I-PEX MHF Connectors

**Series Number :** 213353

**Status :** Active

**Product Category :** Antennas



## Documents & Resources

### Drawings

[2133530100\\_sd.pdf](#)

[2133530100-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[2133530100-001.pdf](#)

[2133530100-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>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<br>(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         | 213353                                                                                                    |
| Description    | LTE/GPS Combo Flexible Antenna,<br>100.00mm Cable Length,<br>Compatible with U.FL/I-PEX MHF<br>Connectors |
| Component Type | Flexible Antenna with Cable                                                                               |
| Function       | Signal                                                                                                    |
| Product Name   | LTE/GPS Combo Flexible Antenna                                                                            |
| Protocol       | BeiDou, Cellular, GLONASS, GPS,<br>UWB                                                                    |
| Type           | Combo GPS/Cellular                                                                                        |
| UPC            | 193264456505                                                                                              |

### Electrical

|                        |      |
|------------------------|------|
| Band_#10 F_End (MHz)   | 1606 |
| Band_#10 F_Start (MHz) | 1598 |
| Band#1 F_End (MHz)     | 960  |
| Band#1 F_Start (MHz)   | 698  |
| Band#2 F_End (MHz)     | 1500 |
| Band#2 F_Start (MHz)   | 1400 |

|                         |                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Band#3 F_End (MHz)      | 1700                                                                                                                                               |
| Band#3 F_Start (MHz)    | 1500                                                                                                                                               |
| Band#4 F_End (MHz)      | 2700                                                                                                                                               |
| Band#4 F_Start (MHz)    | 1700                                                                                                                                               |
| Band#5 F_End (MHz)      | 4200                                                                                                                                               |
| Band#5 F_Start (MHz)    | 3300                                                                                                                                               |
| Band#6 F_End (MHz)      | 5000                                                                                                                                               |
| Band#6 F_Start (MHz)    | 4400                                                                                                                                               |
| Band#7 F_End (MHz)      | 8500                                                                                                                                               |
| Band#7 F_Start (MHz)    | 5900                                                                                                                                               |
| Band#8 F_End (MHz)      | 1563                                                                                                                                               |
| Band#8 F_Start (MHz)    | 1558                                                                                                                                               |
| Band#9 F_End (MHz)      | 1576                                                                                                                                               |
| Band#9 F_Start (MHz)    | 1573                                                                                                                                               |
| Electrical Connectivity | Cable                                                                                                                                              |
| Peak Gain (dBi)         | 2.3 @ 1400 MHz, 2.3 @ 1500 MHz,<br>2.5 @ 698 MHz, 4.5 @ 4400 MHz,<br>5.4 @ 1700 MHz, 5.4 @ 3300 MHz,<br>7.0 @ 5900 MHz                             |
| Return Loss - S11 (dB)  | < -10, < -5                                                                                                                                        |
| Total Efficiency        | >45% @ 1558 MHz, >50% @ 1573<br>MHz, >50% @ 1598 MHz, >60% @<br>1400 MHz, >60% @ 1500 MHz,<br>>60% @ 1700 MHz, >60% @ 3300<br>MHz, >60% @ 4400 MHz |

## Physical

|                   |                 |
|-------------------|-----------------|
| Cable Length      | 100.00mm        |
| Length            | 119.40mm        |
| Mounting Style    | Adhesive        |
| Net Weight        | 1.530/g         |
| Packaging Type    | PET Bag         |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Thickness         | 0.10mm          |
| Width             | 19.40mm         |

