

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **2158720101**  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** Mini-Link Wi-Fi Tri-Band Antenna, 30.00mm Length, with SMA Male Connector

**Documents:**

|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Packaging Specification 2158720001-001 (PDF)</a> |
| <a href="#">Product Specification 2158720101-000 (PDF)</a>     | <a href="#">Datasheet (PDF)</a>                              |
| <a href="#">Application Specification 2158720101-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

**General**

|                |  |
|----------------|--|
| Product Family | Antennas   |
| Series         | <u>215872</u>  |
| Component Type | External Antenna   |
| Function       | Signal   |
| Mates With     | SMA Socket   |
| Overview       | <u>Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee</u> |
| Product Name   | Mini-Link Antenna  |
| Protocol       | BT, DSRC, Wi-Fi  |
| Type           | Wi-Fi Antenna  |
| UPC            | 193264757176   |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Length                        | 30.00mm         |
| Mounting Style                | N/A             |
| Net Weight                    | 5.310/g         |
| Packaging Type                | Tray            |
| Polarization                  | Linear          |
| Radiation Pattern             | Omnidirectional |
| Temperature Range - Operating | -40° to +85°C   |
| Width                         | 8.00mm          |

**Electrical**

|                        |   |
|------------------------|---|
| Band#1 F_End (MHz)     | 2500                                      |
| Band#1 F_Start (MHz)   | 2400                                      |
| Band#2 F_End (MHz)     | 6000                                      |
| Band#2 F_Start (MHz)   | 5000                                      |
| Band#3 F_End (MHz)     | 7125                                      |
| Band#3 F_Start (MHz)   | 6000                                      |
| Peak Gain (dBi)        | 3.0 @ 6 GHz, 3.8 @ 2.4 GHz, 4.6 @ 5 GHz   |
| Return Loss - S11 (dB) | < -10, < -4, < -5                         |
| Total Efficiency       | >50% @ 6 GHz, >60% @2.4 GHz, >65% @ 5 GHz |

**Material Info**

**Reference - Drawing Numbers**

|                           |                |
|---------------------------|----------------|
| Application Specification | 2158720101-001 |
| Packaging Specification   | 2158720001-001 |
| Product Specification     | 2158720101-000 |
| Sales Drawing             | 2158720101-000 |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2020)9139-DC (19  
Jan 2021)  
lead

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

50 Image

Not Relevant

Not Contained

**Search Parts in this Series**

215872 Series