

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

2042811250

Status:

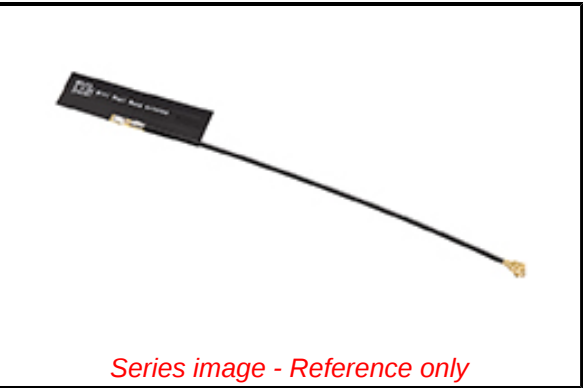
Active

Overview:

Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee

Description:

Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 250.00mm Cable Length,  
Compatible with I-PEX MHF4 Connectors



|                                                           |                                                               |
|-----------------------------------------------------------|---------------------------------------------------------------|
| Documents:                                                |                                                               |
| <a href="#">3D Model</a>                                  | <a href="#">Application Specification 2042810100-AS (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                            | <a href="#">Packaging Specification 2042810100-PK (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                             | <a href="#">Datasheet (PDF)</a>                               |
| <a href="#">Product Specification 2042810100-PS (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| General                     |                                                             |
| Product Family              | Antennas                                                    |
| Series                      | 204281                                                      |
| Component Type              | Flexible Antenna with Cable                                 |
| Function                    | Signal                                                      |
| Overview                    | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee |
| Product Name                | 2.4/5GHz Wi-Fi Antenna                                      |
| Protocol                    | BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee               |
| Taxonomy                    | Antennas                                                    |
| Type                        | Wi-Fi Antenna                                               |
| UPC                         | 191128462556                                                |
| Physical                    |                                                             |
| Cable Length                | 250.00mm                                                    |
| Length                      | 35.00mm                                                     |
| Mounting Style              | Adhesive                                                    |
| Net Weight                  | 1.136/g                                                     |
| Packaging Type              | PET Film                                                    |
| Polarization                | Linear                                                      |
| Radiation Pattern           | Omnidirectional                                             |
| Thickness                   | 0.10mm                                                      |
| Width                       | 11.00mm                                                     |
| Electrical                  |                                                             |
| Band#1 F_End (MHz)          | 2483.5                                                      |
| Band#1 F_Start (MHz)        | 2400                                                        |
| Band#2 F_End (MHz)          | 5850                                                        |
| Band#2 F_Start (MHz)        | 5150                                                        |
| Electrical Connectivity     | Cable                                                       |
| Peak Gain (dBi)             | 1.4 @ 2.4 GHz, 2.5 @ 5 GHz                                  |
| Return Loss - S11 (dB)      | < -10                                                       |
| Total Efficiency            | >58% @2.4 GHz, >62% @ 5 GHz                                 |
| Material Info               |                                                             |
| Reference - Drawing Numbers |                                                             |
| Application Specification   | 2042810100-AS                                               |
| Packaging Specification     | 2042810100-PK                                               |
| Product Specification       | 2042810100-PS                                               |
| Sales Drawing               | 2042811100-000                                              |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Contained Per - D(2022)4187-DC (10 June 2022)                 |               |
| 2-Methyl-1-(4-methylthiophenyl)-2-morpholinoprop              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

[204281](#) Series

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION