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Part Number:

2123300200

Status:

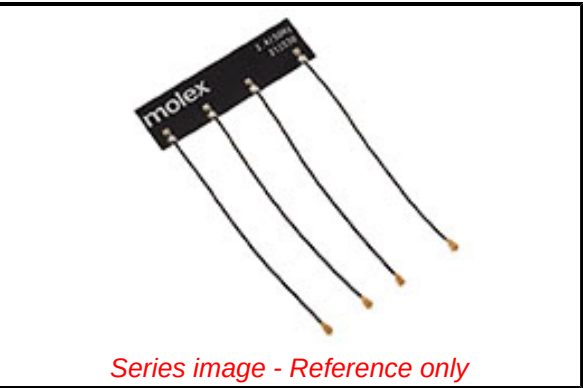
Active

Overview:

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

Description:

2.4GHz / 5GHz MIMO 4x4 Flexible Antenna, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors



Series image - Reference only

Documents:

Drawing (PDF)

Product Specification 2123300100-001 (PDF)

Application Specification 2123300100-000 (PDF)

Packaging Specification 2123300100-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                             |                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| General                     |                                                                                                                                |
| Product Family              | Antennas                                                                                                                       |
| Series                      | 212330                                                                                                                         |
| Component Type              | Flexible Antenna with Cable                                                                                                    |
| Datasheet Order No          | 987651-6901                                                                                                                    |
| Function                    | Signal                                                                                                                         |
| Mates With                  | 734120110 Microcoaxial RF, 50 Ohm                                                                                              |
| Overview                    | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee                                                                    |
| Product Name                | 2.4/5GHz Flexible Antenna                                                                                                      |
| Protocol                    | BLE, BT, Thread, Wi-Fi, Zigbee                                                                                                 |
| Type                        | Wi-Fi Antenna                                                                                                                  |
| UPC                         | 193264251049                                                                                                                   |
| Physical                    |                                                                                                                                |
| Cable Length                | 200.00mm                                                                                                                       |
| Length                      | 70.00mm                                                                                                                        |
| Mounting Style              | Adhesive                                                                                                                       |
| Net Weight                  | 3.575/g                                                                                                                        |
| Packaging Type              | PET Film                                                                                                                       |
| Polarization                | Linear                                                                                                                         |
| Radiation Pattern           | Omnidirectional                                                                                                                |
| Thickness                   | 0.10mm                                                                                                                         |
| Width                       | 20.00mm                                                                                                                        |
| 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)             | 0.1 @ 2.4G, 4.3 @ 5G (Port 3), 1.0 @ 2.4G, 2.9 @ 5G (Port 2), 1.6 @ 2.4G, 2.3 @ 5G (Port 1), 3.2 @ 2.4G, 3.9 @ 5G (Port 4)     |
| Return Loss - S11 (dB)      | < -5 < -10 (Port 1), < -5 < -10 (Port 4), < -5 < -9 (Port 2), < -5 < -9 (Port 3)                                               |
| Total Efficiency            | >40%@2.4GHz,>50%@5GHz (Port 3), >45%@2.4GHz,>45%@5GHz (Port 2), >50%@2.4GHz,>45%@5GHz (Port 1), >65%@2.4GHz,>45%@5GHz (Port 4) |
| Material Info               |                                                                                                                                |
| Reference - Drawing Numbers |                                                                                                                                |
| Application Specification   | 2123300100-000                                                                                                                 |
| Packaging Specification     | 2123300100-001                                                                                                                 |
| Product Specification       | 2123300100-001                                                                                                                 |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| 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

212330 Series

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