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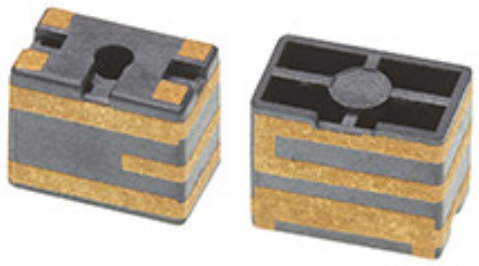
**Part Number:** 1461750001
**Status:** Active
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
**Description:** 2.4GHz / 5GHz SMT MID Chip Antenna, 5.00mm by 3.00mm



*Series image - Reference only*

**Documents:**

- HFSS Model
- Drawing (PDF)
- 3D Model
- 3D Model (PDF)
- Product Specification PS-146175-001-001 (PDF)
- Application Specification AS-146175-001-001 (PDF)
- Packaging Specification PK-146175-001-001 (PDF)
- Datasheet (PDF)
- RoHS Certificate of Compliance (PDF)

**General**

| | |
|---|---|
| Product Family | Antennas |
| Series | 146175 |
| Component Type | Surface Mount Device Antenna |
| Function | Signal |
| Overview | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee |
| Product Name | 2.4/5GHz SMT OnGround MID Chip |
| Protocol | BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee |
| Type | Wi-Fi Antenna |
| UPC | 889056512084 |

**Physical**

| | |
|---|---|
| Cable Length | N/A |
| Length | 5.00mm |
| Mounting Style | Surface Mount |
| Net Weight | 0.058/g |
| Packaging Type | Embossed Tape on Reel |
| Polarization | Linear |
| Radiation Pattern | Omnidirectional |
| Thickness | 4.00mm |
| Width | 3.00mm |

**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 | SMD |
| Peak Gain (dBi) | 3.0 @ 2.4 GHz, 4.2 @ 5 GHz |
| Return Loss - S11 (dB) | < -6 |
| Total Efficiency | >70% |

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Application Specification | AS-146175-001-001 |
| Packaging Specification | PK-146175-001-001 |
| Product Specification | PS-146175-001-001 |
| Sales Drawing | SD-146175-001-001 |

**EU ELV**
**Not Relevant**

**EU RoHS**
**Compliant**

**China RoHS**

**REACH SVHC**
Not Contained Per - D(2020)9139-DC (19 Jan 2021)

**Halogen-Free Status**
**Low-Halogen**

For more information, please visit Contact US

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
146175 Series

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