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Part Number:

1461530100

Status:

Active

Overview:

Standard Antennas

Description:

2.4GHz / 5GHz Wi-Fi Stand Alone Balance Antenna, 9.00mm Width, Cable Length 100.00mm



Documents:

3D Model

Drawing (PDF)

Product Specification PS-146153-100-001 (PDF)

Application Specification AS-146153-100-001 (PDF)

Packaging Specification PK-146153-100-001 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

| General                     |                                    |
|-----------------------------|------------------------------------|
| Product Family              | Antennas                           |
| Series                      | 146153                             |
| Component Type              | Stand Alone Antenna with Cable     |
| Mates With                  | 73412-0110 Microcoaxial RF, 50 Ohm |
| Overview                    | Standard Antennas                  |
| Product Literature Order No | 987650-5892                        |
| Product Name                | 2.4/5GHz Balanced Flex Antenna     |
| Protocol                    | BLE, BT, Thread, Wi-Fi, Zigbee     |
| Type                        | Wi-Fi Antenna                      |
| UPC                         | 889056310017                       |

| Physical          |                 |
|-------------------|-----------------|
| Cable Length      | 100.00mm        |
| Length            | 34.90mm         |
| Mounting Style    | Adhesive        |
| Net Weight        | 0.574/g         |
| Packaging Type    | PET Film        |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Thickness         | 0.10mm          |
| Width             | 9.00mm          |

| 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                  |
| Impedance               | 50Ω                    |
| Number of Bands         | 2                      |
| Peak Gain (dBi)         | 3.0 @ 2.4G, 4.5 @ 5G   |
| Return Loss - S11 (dB)  | < -10                  |
| Total Efficiency        | >70% @ 5G, >75% @ 2.4G |

Material Info

| Reference - Drawing Numbers |                   |
|-----------------------------|-------------------|
| Application Specification   | AS-146153-100-001 |
| Packaging Specification     | PK-146153-100-001 |
| Product Specification       | PS-146153-100-001 |
| Sales Drawing               | SD-146153-050-001 |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per  
-ED/01/2017 (12  
January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product  
environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

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

Search Parts in this Series

146153 Series

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