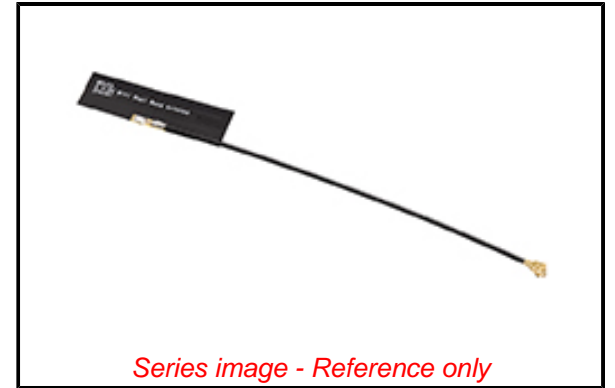


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Part Number: [2042810100](#)
Status: **Active**
Overview: Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Description: Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Documents:

| | |
|---|---|
| 3D Model | Application Specification 2042810100-AS (PDF) |
| Drawing (PDF) | Packaging Specification 2042810100-PK (PDF) |
| 3D Model (PDF) | Datasheet (PDF) |
| Product Specification 2042810100-PS (PDF) | RoHS Certificate of Compliance (PDF) |



General

| | |
|----------------|---|
| Product Family | Antennas |
| Series | 204281 |
| Component Type | Flexible Antenna with Cable |
| Function | Signal |
| Mates With | Molex Receptacle 734120110 and other alternatives |
| 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 |
| Type | Wi-Fi Antenna |
| UPC | 191128324496 |

Physical

| | |
|-------------------|-----------------|
| Cable Length | 100.00mm |
| Length | 35.00mm |
| Mounting Style | Adhesive |
| Net Weight | 0.668/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) | 2.0 @ 2.4 GHz, 3.3 @ 5 GHz |
| Return Loss - S11 (dB) | < -10 |
| Total Efficiency | >65% @2.4 GHz, >68% @ 5 GHz |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|----------------|
| Application Specification | 2042810100-AS |
| Packaging Specification | 2042810100-PK |
| Product Specification | 2042810100-PS |
| Sales Drawing | 2042810100-000 |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

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