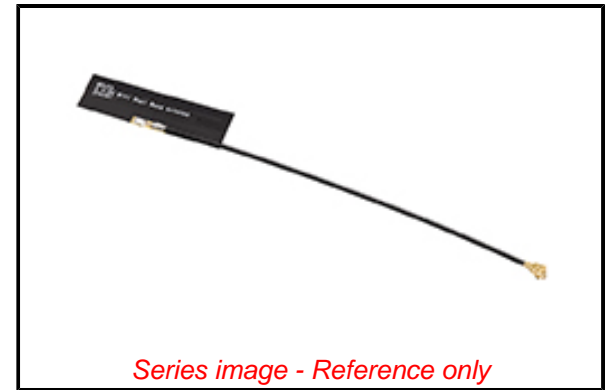


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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	<a href="#">204281</a>
Component Type	Flexible Antenna with Cable
Function	Signal
Overview	<a href="#">Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee</a>
Product Name	2.4/5GHz Wi-Fi Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
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**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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

**Search Parts in this Series**

[204281](#) Series