

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

**Part Number:** [2042810100](#)  
**Status:** **Active**  
**Overview:** Antennas  
**Description:** 2.4GHz / 5GHz Wi-Fi Antenna with Side Solder Cable, 100.00mm Cable Length

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 2042810100-PK (PDF)</a>
<a href="#">Product Specification 2042810100-PS (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 2042810100-AS (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**General**

Product Family	Antennas
Series	<a href="#">204281</a>
Component Type	Stand Alone Antenna with Cable
Mates With	Molex Receptacle <a href="#">73412-0110</a> and other alternatives
Overview	<a href="#">Antennas</a>
Product Literature Order No	987651-6901
Product Name	2.4/5GHz Wi-Fi Antenna
Protocol	BLE, BT, Thread, Wi-Fi, 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

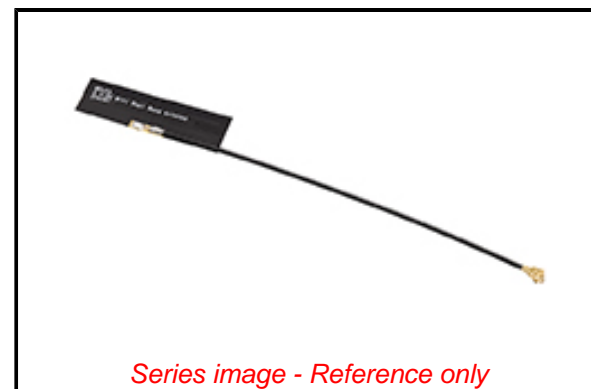
**Electrical**

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
Impedance	50Ω
Number of Bands	2
Peak Gain (dBi)	2.0 @ 2.4G, 3.3 @ 5G
Return Loss - S11 (dB)	< -10
Total Efficiency	>65% @2.4G, >68% @ 5G

**Material Info**

**Reference - Drawing Numbers**

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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
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

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[204281](#) Series