

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

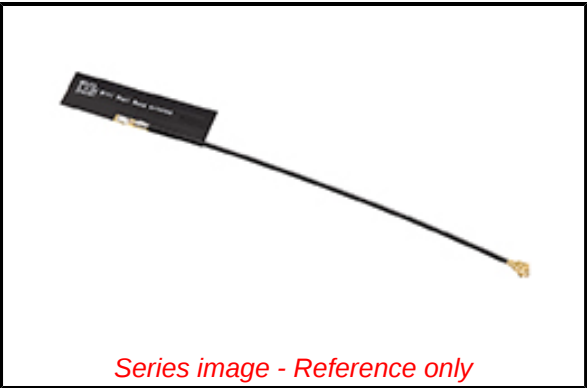
Electrical

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



Series image - Reference only

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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[204281](#) Series