

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [2042810050](#)
Status: **Active**
Overview: Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Description: 2.4GHz / 5GHz Wi-Fi Antenna with Side Solder Cable, 50.00mm 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)
Product Specification 2042810100-PS (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Antennas
Series	204281
Component Type	Flexible Antenna with Cable
Datasheet Order No	987651-6901
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	191128324489

Physical

Cable Length	50.00mm
Length	35.00mm
Mounting Style	Adhesive
Net Weight	0.541/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	11.00mm

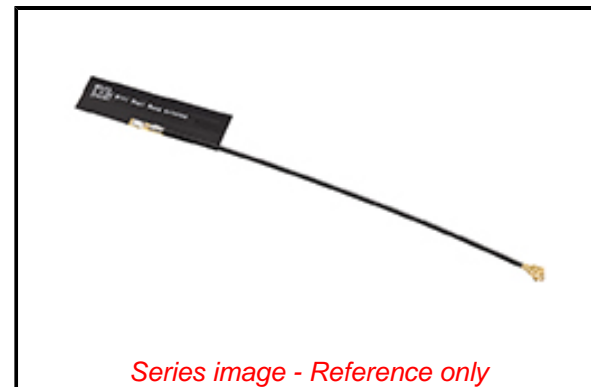
Electrical

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)	2.2 @ 2.4 GHz, 3.5 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>68% @2.4 GHz, >70% @ 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 - ED/71/2019 (16 July 2019)

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