



VARISCITE LTD

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VAC-ANT\_5\_Flex\_Molex ANTENNA



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# VAC-ANT\_5\_Flex\_Molex Datasheet

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# 1. Document Revision History

Revision	Date	Notes
1.00	Aug 24, 2023	Initial

## 2. General

Status	Active
Category	Antennas
Series	146153
Description	Wi-Fi 6E Flex Cabled Balanced Antenna, 9.00mm Width, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Family	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz Balanced Flex Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Internal, Wi-Fi Antenna
UPC	889056310017

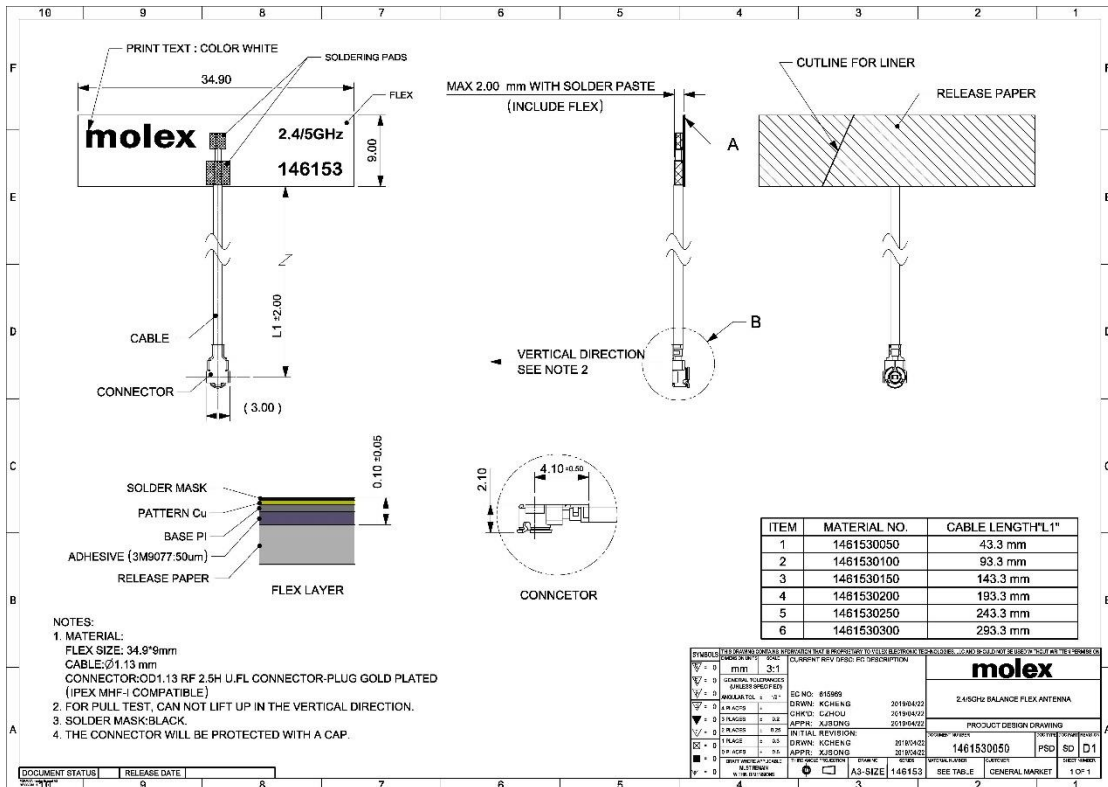
## 3. Electrical

Band#1 F_End (MHz)	2483.5
Band#1 F_Start (MHz)	2400
Band#2 F_End (MHz)	5930
Band#2 F_Start (MHz)	4900
Electrical Connectivity	Cable
Peak Gain (dBi)	3.0 @ 2.4 GHz, 4.0 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>75% @ 2.4 GHz, >75% @ 5 GHz

# 4. Physical

Cable	100.00mm
Length	34.90mm
Mounting Style	Adhesive
Net Weight	0.480/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	9.00mm

# 5. drawing



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