Combo Antennas



Combo antennas offer a combination of long-range connectivity, high power efficiency and easy integration advantages for IoT, GPS and M2M applications

Features and Advantages



Combo Antennas

molex

Applications

Consumer

Smart Homes IoT

Automotive Connected Vehicle

Industrial

Smart Cities



Smart Home



Internet of Things (IoT)

Specifications

REFERENCE INFORMATION

Packaging: PET film (146186, 146220) Tape and Reel (201932, 213353) Use with: Combo Wireless devices Designed In: Millimeters RoHS: Yes Halogen Free: Yes Glow Wire Compliant: No

ELECTRICAL

Frequency Range: Refer to Product Specifications Return Loss: Refer to Product Specifications Average Total Radiation Efficiency(%): Refer to Product Specifications Peak Gain (dBi): Refer to Product Specifications Polarization: Linear Input Impedance (ohms): 50

MECHANICAL

Refer to Product Specifications for relevant antennas

PHYSICAL

Material: Ceramic (201932) PCB (146220) Flexible Material (146186, 213353) Plating: Silver (Ag) 11±4microns (201932) Operating Temperature: -40 to 125°C (201932) -30 to 85°C (146220, 146186) -40 to 85°C (213353)

Ordering Information

Series No.	Substrate	Mounting	Dimensions (mm)	Standard
<u>201932</u>	Ceramic	SMT	20.00(L) by 4.00(W) by 5.00(H)	Wi-Fi 4/5/6 + ISM900
<u>146220</u>	PCB	Screw Nut	53.50 by 16.60	Wi-Fi 4/5/6/6E + GNSS
<u>146186</u>	Flexible Material	Peel-and-Stick	53.00 by 18.00	Wi-Fi 4/5/6/6E + GNSS
<u>213353</u>	Flexible Material	Peel-and-Stick	120.00 by 20.00	LTE + GNSS

www.molex.com/link/standard_antennas.html

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