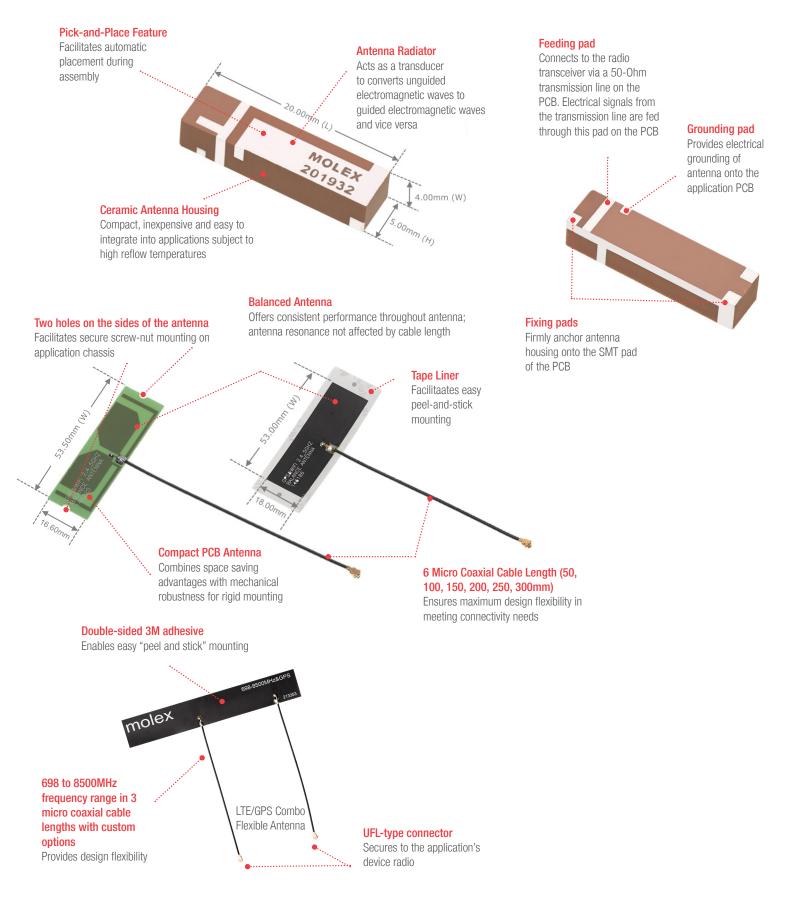
# **Combo Antennas**



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

Oomiccicu ve

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)                |
|---------------|-------------------|----------------|--------------------------------|
| <u>201932</u> | Ceramic           | SMT            | 20.00(L) by 4.00(W) by 5.00(H) |
| <u>146220</u> | PCB               | Screw Nut      | 53.50 by 16.60                 |
| <u>146186</u> | Flexible Material | Peel-and-Stick | 53.00 by 18.00                 |
| <u>213353</u> | Flexible Material | Peel-and-Stick | 120.00 by 20.00                |

## www.molex.com/link/standard\_antennas.html

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