

Electrical Specifications

Frequency Rang	Operating Band	VSWR	Port Isolations (distance between 2 antennas)	Realized Gain(dBi)	Polarization	photo
UWB UWB-4G	UWB 4G	≤ 2.0	$\geq 15\text{dB}$ (2cm)	≥ 3.0 ≥ 2.5	Horizontal	
UWB UWB-V2X	UWB V2X	≤ 2.0	$\geq 20\text{dB}$ (3cm)	≥ 3.0 ≥ 4.0		
V2X V2X-V2X	V2X V2X	≤ 2.0	$\geq 20\text{dB}$ (1.5cm)	≥ 4.0 ≥ 4.0		
5G-5G MIMO (4 antennas)	5G1 5G4 5G2 5G3	≤ 3.0	$\geq 15\text{dB}$ (3cm)	≥ 2.0 ≥ 2.0		
WIFI (2 antennas)	WIFI1 WIFI2	≤ 2.0	$\geq 20\text{dB}$ (3cm)	≥ 2.5 ≥ 2.5		

Mechanical Specifications

Dimensions (mm)	210×57×197
Net Weight (kg)	0.52
Connector	SMA

Environmental Specifications

Application	Automotive
Operating Temperature (°C)	-40 to +85
Waterproof Rating	IP65 (dustproof; withstands strong water jets, e. g., heavy rain)
UV Aging Resistance	After 1,000 hours of UV exposure

Notes	(1) UWB: 2400–2518MHz, 3.5–5.1GHz;
	(2) 4G: 1710–2690MHz;
	(3) V2X: 5880–5925MHz;
	(4) 5G: 2000–2500MHz, 3300–3600MHz, 4800–5000MHz;
	(5) WIFI: 2.4–2.48GHz, 5.0GHz;
	(6) GPS: 1176–1576MHz.