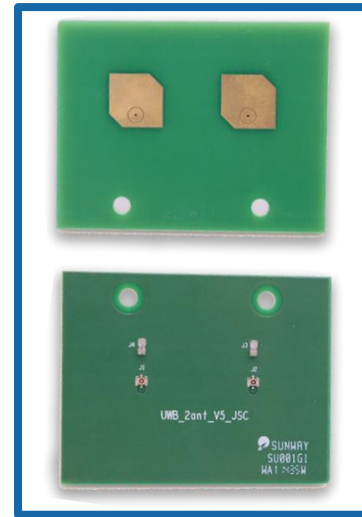


Sunway SW-SU001 UWB Antenna

- SW-SU001 dual patch UWB antenna is suitable for UWB Channel 5.
- Circular polarizations give high accuracy in 2D AoA measurements.
- Usable with Sunway SW-M1000-SR150 module.
- Sunway also offers customized UWB antennas for any application.



SW-SU001

2x1 PCB Patch antenna
2xJSC-Male w. Cables
Circular polarization
51 x 40 x 2.0 mm

Specifications

Frequency Range	6.25 GHz - 6.75 GHz		
Support Channel	CH5		
Polarization Mode	Circular Polarization		
Max Gain	5.92 dBi		
Beam Width (3 dB)	120°		
Return Loss	<-10 dB		
Isolation	>19 dB		
Input Impedance	50 Ω		
Total Efficiency	Min	Avg	Max
	-2.41 dB	-1.99 dB	-1.57 dB

Sunway is a proud member of the UWB association FiRa.



Sunway Modules are Based on NXP's Trimention™ SR040 and SR150

- Sunway UWB modules integrate clock circuit, RF circuit and power management that conform to the IEEE 802.15.4z HRP UWB standard
- PHY and MAC conform to the FiRa Consortium specification
- Integrated Time-of-Flight (ToF), Time-Difference of Arrival (TDoA), Angle-of-Arrival (AoA)
- High Precision RTLS, Real-Time Location System (TDOA and AoA)

