

Product Name	Five-Array Antenna		Version	22-01
Model No.		Document number	JJANT-22-01-07	

1. Technical

Band:

BD2 B3: 1268.52±10.23MHz

GPS L1: 1575.42±1.023MHz

Polarization: Right-handed circular polarization

Out of roundness: $\leq \pm 5.5\text{dB}$ ($0^\circ \leq \text{elevation angle} < 30^\circ$);

$\leq \pm 4.0\text{dB}$ ($30^\circ \leq \text{elevation angle} < 70^\circ$);

$\leq \pm 2.5\text{dB}$ ($70^\circ \leq \text{elevation Angle} \leq 90^\circ$);

Standing wave (50Ω): ≤ 1.6

Axial ratio: $\leq 6\text{dB}$ (elevation angle $\geq 60^\circ$)

$\leq 3\text{dB}$ (MIN)

Gain (center frequency point): $\geq -7\text{dBic}$ (elevation angle $\geq 10^\circ$);

$\geq -5\text{dBic}$ (elevation angle $\geq 30^\circ$);

$\geq -3\text{dBic}$ (elevation angle $\geq 60^\circ$);

$\geq 1.0\text{dBic}$ (MAX);

At 1268.52±10.23MHz and 1575.42±1.023MHz, the relative center frequency gain loss is $\leq 2\text{dB}$; Front-to-back

ratio: $\geq 12\text{dB}$

Media size: 35*35*5mm

Array method: 5 frames share a 0.8mm thick PCB board, and the height of the layout area under the PCB board is less

than 3mm. BD element mutual coupling coefficient: $\leq -15\text{dB}$.

2. Picture

