

Type CAN2-2A4J2R2V-0R360

Quasi Omni Canister Antenna

20-ports 617~906MHz×2/1695~2700MHz×4/3300~4200MHz×2/5150~5925MHz×2 5 / 7 / 10 / 5 dBi 0° / 2° / 0° / 0° Antenna.

Electrical Specifications

Frequency Range(MHz)	2x617-906		4x1695-2700			
	617-806	806-906	1695-1880	1850-1990	1920-2200	2300-2700
Polarization	±45°					
Horizontal Beamwidth(°)	360	360	360	360	360	360
Vertical Beamwidth(°)	73±19.7	75±36	34±9	33±10	30±9	20±7
Gain(dBi)	4.5±0.6	4.8±0.8	6.0±0.7	6.3±0.9	6.5±1.2	7.5±1.1
Electrical Downtilt(°)	0	0	2	2	2	2
VSWR	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
Isolation: intra-system (dB)	≥25					
Isolation: inter-system (dB)	≥28					
Intermodulation IM3 (2×43dBm carrier)	≤-153dBc					
Impedance (Ω)	50					
Max. Power per Input (at 50°C ambient temperature)	500		300			
Lightning Protection	DC Ground					



Frequency Range(MHz)	2x3300-4200			5150-5925
	3300-3550	3550-3700	3700-4200	5150-5925
Polarization	$\pm 45^\circ$			
Horizontal Beamwidth(°)	360	360	360	360
Vertical Beamwidth(°)	18±1.8	18.2±2.6	16.5±3.2	18.5±2.1
Gain(dBi)	8.5±0.9	8.3±1	9.5±1.0	5.5±1.3
Electrical Downtilt(°)	0	0	0	0
Upper Sidelobe Suppression(dB)	/	/	/	≥13
VSWR	≤1.5	≤1.5	≤1.5	≤1.5
Isolation: intra-system (dB)	≥25			
Isolation: inter-system (dB)	≥28			
Intermodulation IM3 (2×43dBm carrier)	≤-153dBc			/
Impedance (Ω)	50			
Max. Power per Input (at 50°C ambient temperature)	100			50
Lightning Protection	DC Ground			



Frequency Range

617-906 x2
1695-2700x4
3300-4200x2
5150-5925x2

Polarization

 $\pm 45^\circ$

Half-Power Beam Width

360°

Electrical Downtilt

0° / 2° / 0° / 0°

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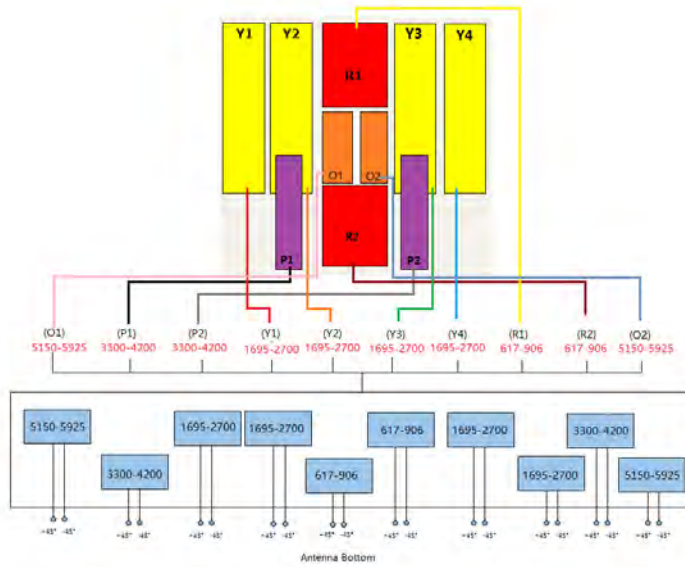
INTEGRATED GPS UNIT

Frequency Range(MHz)	1575.42Mhz $\pm$ 10Mhz
Polarization	Right Hand Circular
Nominal Gain	3dBic at 90° ; -2dBic at 20°
Current Draw	22Ma@5V
Out-of-Band Rejection	>55dB at 1559 Mhz; >60dB at 1625 Mhz;
Amplifier Gain	28dB $\pm$ 3dB
Nominal Impedance	50 ohm
Noise Figure	3.9dB
DC Voltage	2.7-5.5 VDC
VSWR	<2
Connector	N-Type Female

Mechanical Specifications

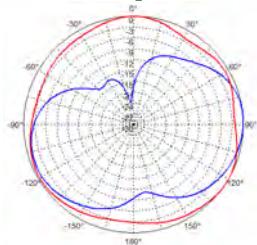
Radome Material	ASA
Connector Type and Location	20 x 4.3-10 Female, 1xN-Type Female
Dimensions,HxWxD(mm)/(inches)	600 x Φ 370 /23.6 x Φ 14.6
Packing Size(mm)/(inches)	900 x 455 x 455 /35.4 x19.1x17.9
Weight, w/o Mounting kit(kg)/(lbs)	12/26.4
Weight,w/ Fixed Bracket (kg)/(lbs)	18/39.6
Packing Weight (w/ Fixed Bracket) (kg)/(lbs)	24/52.8
Max. Wind Velocity(mph)	150
IP Grade	IPX5
Radome color	Gray
Operating temperature (°C)	-40~60
Operational Humidity(%)	$\leq$ 95%
Wind Load at 100mph(N)	250

COMPREHENSIVE TILT CONFIGURATION

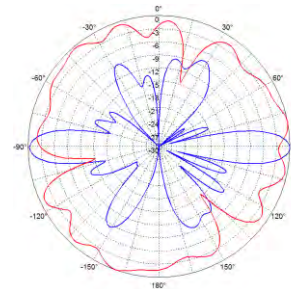


Frequency Range	Array	RET Unique ID
617-906MHz	R1	/
617-906MHz	R2	/
1695-2700MHz	Y1	/
1695-2700MHz	Y2	/
1695-2700MHz	Y3	/
1695-2700MHz	Y4	/
3300-4200 MHz	P1	/
3300-4200 MHz	P2	/
5150-5925 MHz	O1	/
5150-5925 MHz	O2	/

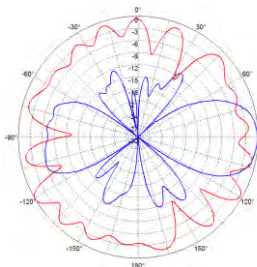
[Radiation Pattern]



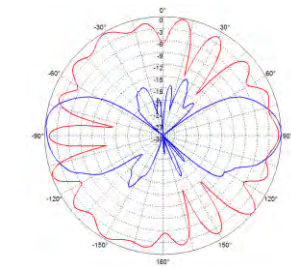
617-906MHz
(blue E-plane, red H-plane)



1695-2700MHz
(blue E-plane, red H-plane)



3300-4200MHz
(blue E-plane, red H-plane)



5150-5925MHz
(blue E-plane, red H-plane)