2GF-01V2

4 Port Antenna / 2L / 2.5m

- 2 x (698-960) MHz,4 x 4.3-10 Connectors
- Integrated RET (AISG 2.0 Compliant), Field Exchangeable
- Separate tilt for each pair of ports, step 0.5°

Electrical Data (BASTA 12.0)

Frequency(MHz)			2 x (698-960)		
			698-803	824-894	880-960
Gain R1/R2	Mid Tilt	dBi	15.8	16.4	16.5
	Over All Tilts		15.8±0.4	16.4±0.5	16.5±0.5
Polarization		°		±45°	
Horizontal Pattern					
3dB Azimuth Beamwidth		°	67±3	63±4	59±5
Front to Back Ratio, Total Power, 180°±30°		dB	> 23	> 24	> 24
Cross-Polar Discrimination					
At Mechanical Boresight 0°			> 20	> 19	> 19
Over Sector ±60°			> 10	> 9	> 8
Vertical Pattern					
3dB Elevation Beamwidth		°	8.9±0.7	7.8±0.6	7.0±0.5
Electrical Downtilt				0-10	
1st Upper Sidelobe Suppression		dB		> 16	
RF Parameters					
VSWR				< 1.5	
Intra-Cluster Isolation		dB		>25	
Inter-Cluster Isolation				>25	
3rd PIM(2 x 43 dBm)		dBc		< -150	
Efficiency				> 70%	
Impedance		Ω		50	
Maximum Effective Power per Port		W		300	

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Mechanical Data (BASTA 12.0)

Connector Type&Position	4 x 4.3-10 Female,Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass(UV resistance)	
Reflector Material	Aluminum Alloy	
Radiator Material	Low loss circuit board	
Radome Color	Light Grey	
Antenna Net Weight	< 28 kg	61.7 lb
Antenna Dimensions (H x W x D)	2549 x 450 x 145 mm	100.4 x 17.7 x 5.7 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Max)	920 / 215 / 960 N	207 / 48 / 216 lbf
Relative Humidity	5% - 95%	
Storage&Operating Temperature Range	-40 ~ +70 °C	-40 ~ +158 °F



RET Specification (BASTA 12.0)

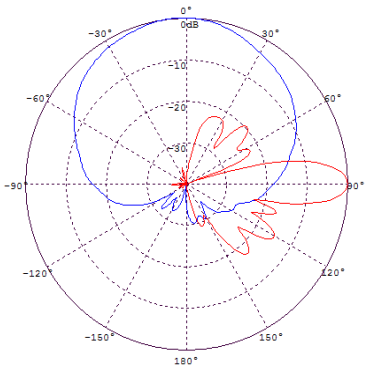
Compatible Standards	AISG2.0/ 3GPP
Power Consumption	≤2W(stand by); ≤13W(operating)
Configuration Management	Integrated RET, pre-configured
Lifespan by number of adjustments	≥ 10,000
Daisy chain connection solution	support daisy-chaining/cascade
Voltage	10-30VDC
Hardware interface	RS 485A/B(pin 5, pin 3) follow IEC 60130-9
Connector	2x8 pin follow IEC 60130-9 Daisy chain in: Male; Daisy chain out: Female

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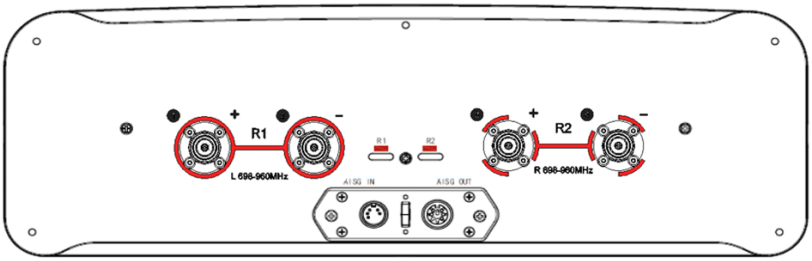
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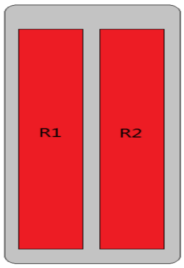
Pattern (Sample for reference)

698-960



Layout





Array	Connector	Frequency (MHz)	Sub Unit #	RET Type	RET Serial*
●R1	1 - 2	698-960	1	MRET	RB.....XYYxxxxx-MM
●R2	3 - 4	698-960	2	MRET	RB.....XYYxxxxx-MM

*Remark: X – Year, YY – Week , xxxxx – Serial Number

Accessories

Item	Model	Weight	Mechanical Tilt Range (°)
Mounting Kit	122-10-018	<5kg /<11 lb	0-10

Compliance

— Our quality assurance system and our environmental management system apply to the entire company and are certified according to EN ISO 9001, EN ISO 14001 and OHSAS 18001
— Our products are compliant to the EU Directive RoHS 2 (2011/65/EU) as well as to other environmentally relevant regulations (e.g. REACH)

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.