

Electrical Characteristics	2x Ports <b>1 2</b>			4x Ports <b>3 4 5 6</b>				
	617-894			1695-2690				
Operating Frequency (MHz)	617-698	698-806	824-894	1695-1780	1850-1990	2110-2180	2300-2400	2490-2690
Azimuth beamwidth <sup>1</sup>	73°	69°	65°	68°	66°	64°	62°	60°
Elevation beamwidth <sup>1</sup>	12.9°	11.8°	10.3°	6.4°	5.8°	5.2°	4.8°	4.4°
Gain <sup>1</sup> (dBi)	14.1	14.7	15.1	16.6	16.9	17.2	17.4	17.4
Polarization	±45°			2x ±45°				
Electrical down-tilt range	2°-12°			2° – 12°				
Upper SLL at 20°>mainbeam (dB)	>14	>15	>15	>14	>14	>14	>14	>14
Front to Back at 180°±10° (dB)	>20	>22	>24	>24	>24	>25	>26	>26
Port to Port isolation	>26	>26	>26	>28	>28	>28	>28	>28
Return loss/VSWR (>dB/VSWR)	14/1.5	14/1.5	14/1.5	14/1.5	14/1.5	14/1.5	14/1.5	14/1.5
X Polar Discrimination at 0° (dB)	>16	>18	>20	>16	>16	>16	>17	>17
Max Power handling (per any port)	250 Watts			200 Watts				
Total Composite Power (all ports)	700 Watts							
PIM (dBc: 2x43dBm)	>153			>153				

<sup>1</sup> Typical Performance across frequencies and Downtilt.



Mechanical Characteristics	
Dimensions	L 78.6"(1997mm) x W 14.3"(363mm) x D 9.6"(245mm)
Weight (excl mounting brackets)	50.7lbs (23.0kg)
No. of Connectors	6x 4.3-10 Female
Max Wind Speed	150mph (241kph)
Wind Load <sup>2</sup> @93mph (150kph)	Front: 150.6lbs (670N), Side: 125.9lbs (560N)
Operating Temperature	-40°C to +60°C

Fully Integrated RET Characteristics	
AISG Standards	V 2.0 and 3GPP
Device Type	SRET Type 1
AISG Data rate	9.6 kbps
No of connectors	2x 1in/1out.
Connector type	IEC 60130-9 (Ed 3.0)



RET ID	Ports	Arrays	Freq Range
1	1 3	R1	617-894MHz
2	3 4 5 6	Y1 Y2	1695-2690MHz

Tel (Americas): +1 (585) 420-8720  
[info@quintelsolutions.com](mailto:info@quintelsolutions.com)  
[www.quintelsolutions.com](http://www.quintelsolutions.com)