



2x617-894MHz / 4x1695-2690MHz

| Electrical Characteristics        | 2x Ports<br><b>1 2</b> |         |         | 4x Ports<br><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>  | 17.5°                  | 15.6°   | 13.7°   | 6.4°                       | 5.8°      | 5.2°      | 4.8°      | 4.4°      |
| Gain <sup>1</sup> (dBi)           | 13.1                   | 13.5    | 13.9    | 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                    | >14     | >14     | >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 58.9"(1497mm) x W 14.3"(363mm) x D 9.6"(245mm) |
| Weight (excl mounting brackets)        | 43.0lbs (19.5kg)                                 |
| No. of Connectors                      | 6x 4.3-10 Female                                 |
| Max Wind Speed                         | 150mph (241kph)                                  |
| Wind Load <sup>2</sup> @93mph (150kph) | Front: 112.4lbs (500N), Side: 94.4lbs (420N)     |
| 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 |

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