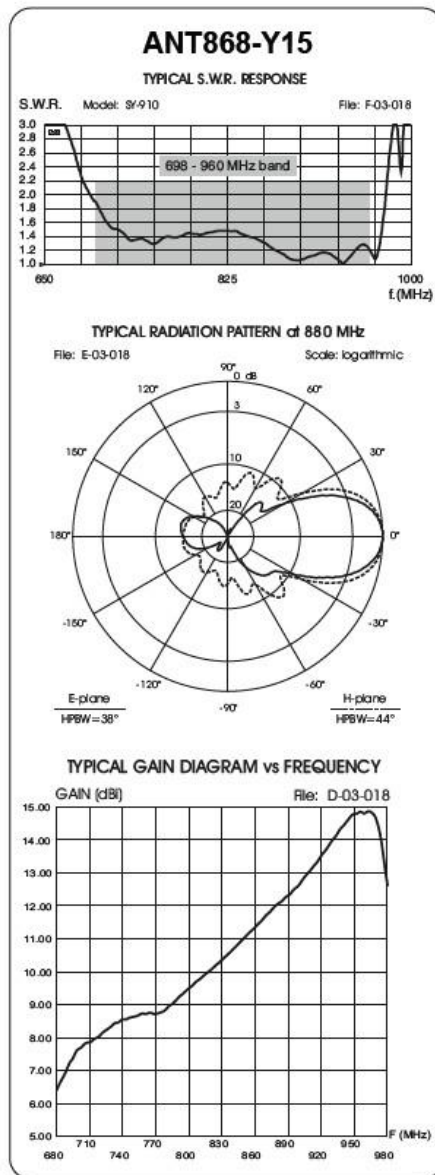
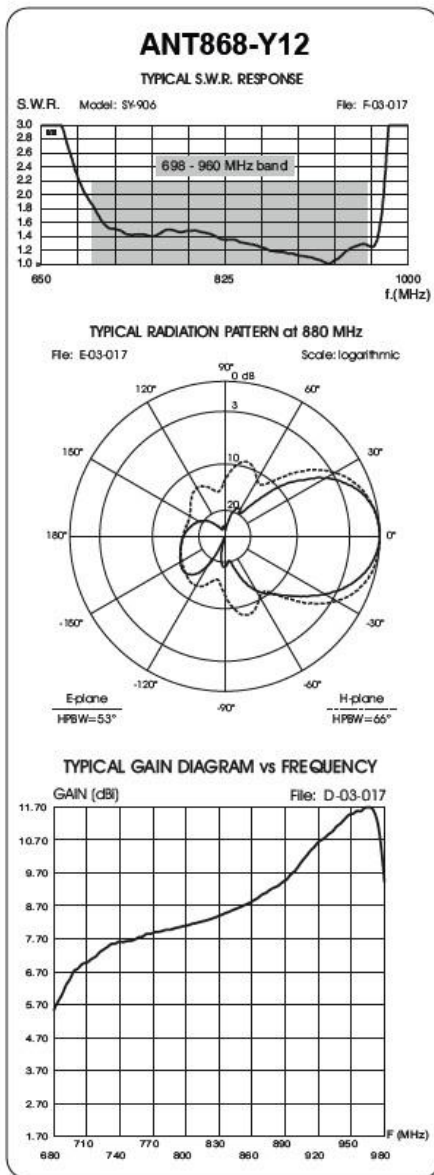


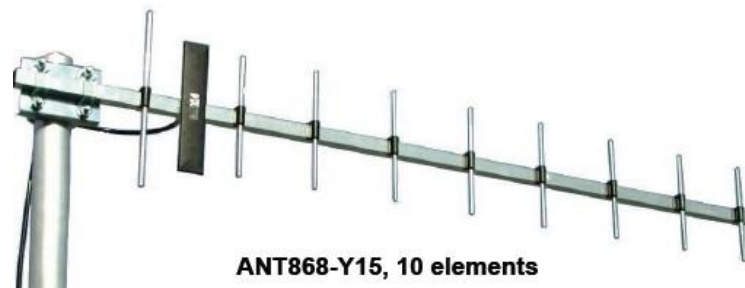
ANT868-Y12

ANT868-Y15



Description

Base station antennas conceived for LTE 700, ISM 868 MHz, AMPS, GSM 900 systems working on 698-960 MHz. The boom and the parasitic elements are made of aluminium and radiant dipole is realized on PCB in Microstrip technology protected by thermoplastic.



ATIM Radiocommunication
77 imp. Du Rosé des Prés
38250 Villard de Lans
France

www.atim.com
contact@atim.com



ANT868-Y12

ANT868-Y15

| Electrical Data | ANT868-Y12 | ANT868-Y15 |
|---------------------------------------|---|--|
| Type | 6 elements yagi antenna | 10 elements yagi antenna |
| Frequency Range | 698 - 960 MHz (LTE 700, ISM, AMPS, GSM 900) | |
| Impedance | 50 Ω | |
| Radiation (H-plane) Beamwidth @ -3 dB | 66° @ 880 MHz | 44° @ 880 MHz |
| Radiation (E-plane) Beamwidth @ -3 dB | 53° @ 880 MHz | 38° @ 880 MHz |
| Radiation angle deg | 0° | |
| Front to back ratio | ≥ 12 dB @ 698 - 880 MHz ≥ 15 dB @ 880 - 960 MHz | ≥ 13 dB @ 698 - 880 MHz ≥ 15 dB @ 880 - 960 MHz |
| Polarization | Linear Vertical | |
| Max Gain | 11.5 dBi | 15 dBi |
| Cross Polarization Isolation | ≥ 18 dB | ≥ 20 dB |
| Max Power (CW) @ 30° C | 10 Watts | |
| Grounding Protection | All metal parts are DC-grounded, the inner conductor shows a DC-short | |
| Connector | FME-male | |

| Mechanical Data | | |
|-----------------------------|---|---------------------|
| Housing & Radome Material | Aluminium, PCB, Thermoplastic | |
| Bracket & Hardware Material | Galvanized Steel | |
| Wind Load | 27 N @ 150 Km/h | 48 N @ 150 Km/h |
| Wind Resistance | 180 Km/h | 150 Km/h |
| Wind Surface | 0.02 m ² | 0.03 m ² |
| Dimensions (approx.) | 210 x 595 x 60 mm | 210 x 995 x 60 mm |
| Turning radius (approx.) | 580 mm | 960 mm |
| Weight (approx.) | 410 gr | 500 gr |
| Operating Temperature | -20 °C to +80 °C | |
| Installation type | Mast : \varnothing 25-42 mm with U-bolt | |

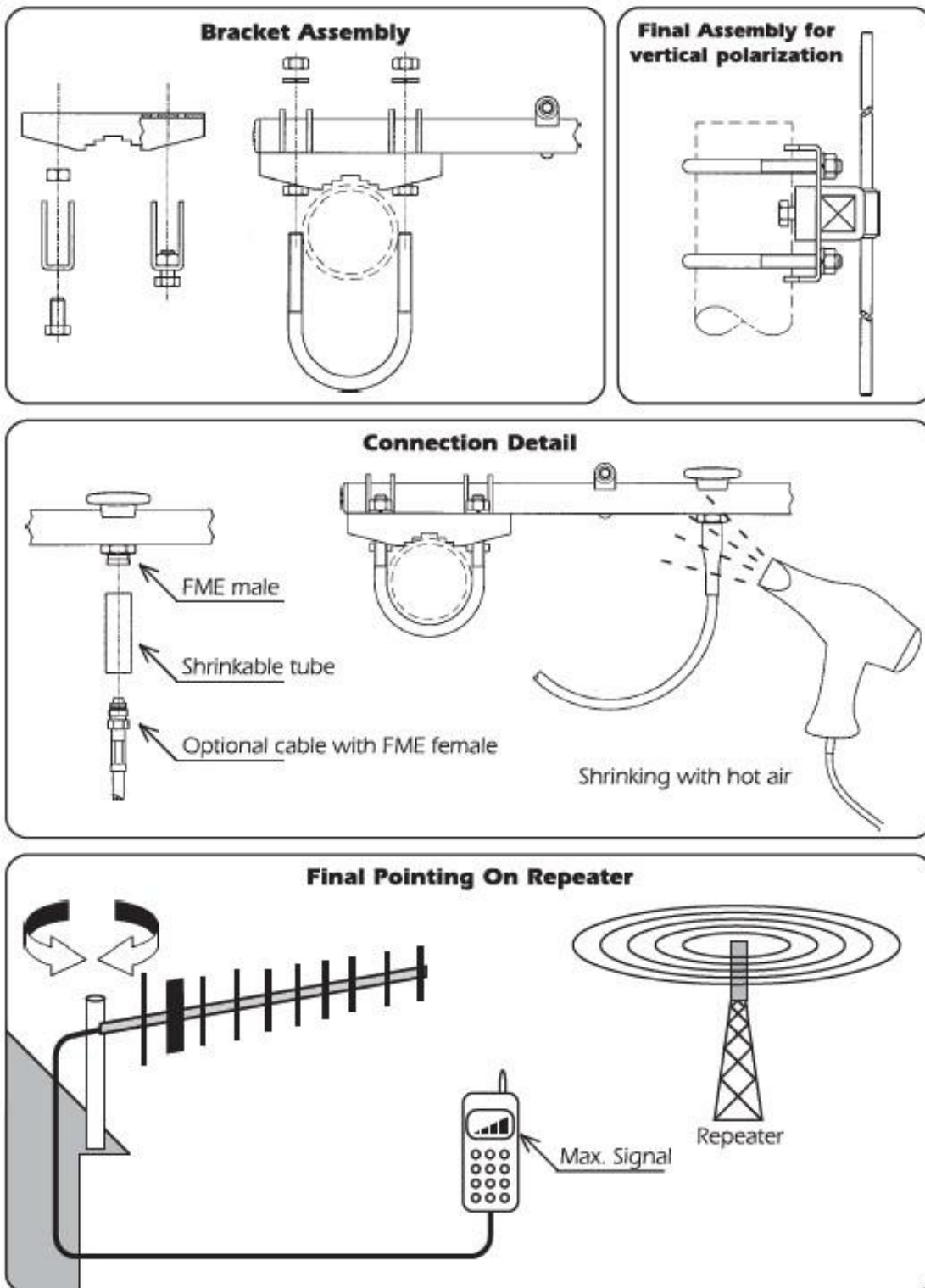


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Mounting Instructions



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