



## **YGA-210/E**

### **Yagi Antenna**

This is a directional multi-element array antenna operated as a stationary antenna. Electrical features of this antenna family depends on number of the elements used in antenna structure. Polarization of the antenna can be changed depending on its installation horizontally/vertically.

YGA-210/E includes three elements designed and manufactured for VHF frequency band. All metallic components of the antenna are made of stainless steel connected to each other from DC and are grounded.

## Technical Specifications

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| Frequency range.....             | 139 ~ 149 MHz                                                   |
| Impedance.....                   | 50Ω                                                             |
| VSWR.....                        | less than 1.5                                                   |
| Directional gain.....            | maximum 7dBi                                                    |
| F/B.....                         | 13.5dB                                                          |
| Polarization.....                | horizontal/vertical                                             |
| Radiation width.....             | 70° half power in the E sheet<br>120° half power in the H sheet |
| Maximum input power.....         | 100W                                                            |
| Connector type.....              | male N                                                          |
| Antenna length.....              | 1350mm                                                          |
| Antenna width.....               | 1050mm                                                          |
| Total weight of the antenna..... | 2.5kg                                                           |
| Operating temperature.....       | -33°C ~ +65°C                                                   |
| Storage temperature.....         | -40°C ~ +70°C                                                   |
| Environmental standard.....      | MIL-STD-810F                                                    |