

# BAN0170A

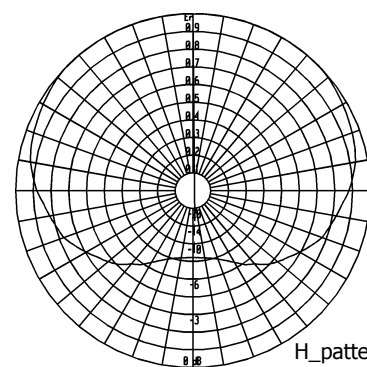
FM Two Element Yagi

87.5÷108 MHz

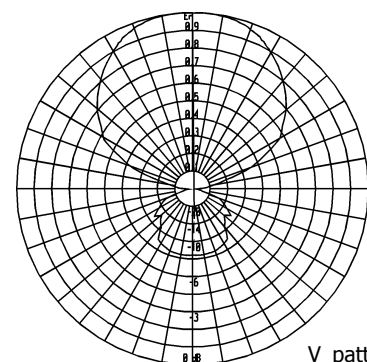
| Type                           | BAN0170A                         |
|--------------------------------|----------------------------------|
| <b>ELECTRICAL</b>              |                                  |
| Frequency                      | 87.5÷108 MHz                     |
| Impedance                      | 50 Ω unbalanced                  |
| V.S.W.R. (R.L)                 | < 1.30 (-17.7 dB)                |
| Gain                           | 3.7 dBd                          |
| HPBW H-pattern                 | ± 118°                           |
| HPBW V-pattern                 | ± 35°                            |
| Polarization                   | Vertical                         |
| Max power                      | See Below Table                  |
| Input connector                | n(f) , 7/16 (f) din , 7/8" EIA   |
| Lightning Protection           | DC grounded                      |
| <b>MECHANICAL</b>              |                                  |
| Connector material             | Nickel plated Brass              |
| External parts material        | Passivated Stainless Steel       |
| Internal lines material        | Silver plated Aluminum           |
| Insulators material            | Virgin PTFE                      |
| Brackets and Hardware material | Stainless Steel                  |
| Pressurization                 | yes                              |
| Environment Protection         | U.V. resistant Fiberglass Radome |
| Survival wind velocity         | 240 km/h                         |
| Wind load at 160 km/h Frontal  | 135 N                            |
| Wind load at 160 km/h Lateral  | 240 N                            |
| Dimensions                     | 160 x 115 x 15 cm                |
| Weight (incl. Brackets)        | 10.5 kg                          |
| Mounting System                | See Below                        |



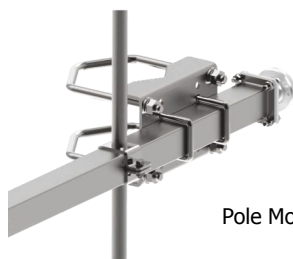
RADIATION PATTERN



H\_pattern



V\_pattern



Pole Mount Ø 40÷114 mm

### Ordering Information

| p/n         | Input Connector | Max Power |
|-------------|-----------------|-----------|
| BAN0170A.00 | n(f)            | 0.8 kW    |
| BAN0170A.01 | 7/16 (f)        | 3.5 kW    |
| BAN0170A.02 | 7/8" EIA        | 5.0 kW    |