

SINGLE BAND PANEL ANTENNA

BAND 900 MHz

AT42-664TV

870 - 960

H64° V10.4°

Variable Tilt 0°-10°

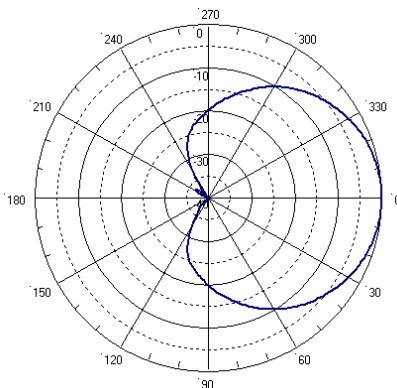
ELECTRICAL SPECIFICATIONS

BAND 900

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|---|--------------------|
| Antenna Model | AT42-664TV |
| Polarization | ± 45° |
| Frequency (MHz) | 870 - 960 |
| Horizontal Beamwidth | 64° |
| Vertical Beamwidth | 10.4° |
| Gain (dBi) | 16.8 |
| Vertical Electrical Tilt | VARIABLE 0°-10° |
| Upper Sidelobe Suppression for the 1 st lobe above main beam (dB) | 17 |
| Front-to-Back Ratio @ 180° ± 20° (dB) | > 30 |
| VSWR | < 1.4 : 1 |
| Cross Polar Ratio @ ± 60° (dB) <i>Typically</i> | > 10 |
| Isolation Between Ports | > 30 |
| Maximum Power Per Input (W) | 500 |
| Intermodulation (dBc) | < - 150 |
| Impedance (Ω) | 50 |

MECHANICAL SPECIFICATIONS

| | |
|---|--------------------------------|
| Connectors | 2 X 7/16 Female |
| Connector Position | Bottom |
| Survival Wind Speed km/h (mph) | 200 (125) |
| Front Windload N @ 160 km/h (lbs @100 mph) | 1045 (235) |
| Lateral Windload N @ 160 km/h (lbs @100 mph) | 205 (46) |
| Radome Color | Grey, paintable |
| Humidity | 100% |
| Antenna Weight kg (lbs) | 24 (53) |
| Antenna Dimension mm (in) H X W X D | 1985 X 325 X 115 (78 X 13 X 5) |



H&V Pattern

