



### **INTRODUCTION**

A-230 is a cellular telemetry covert broadband antenna for radio wireless systems. The covert design of low profile patch radioelement sealed with a rubber enclosure can be hidden in a secure area in the vehicle. A-230 is harnessed with double-shielded RG174 cable to optimize loss and isolate outside interference to the radio.

### **SPECIFICATION**

| <b>Electrical Properties</b> |                                       |
|------------------------------|---------------------------------------|
| Architecture Design          | PCB patch passive                     |
| Operating Frequency          | 824~960mhz / DCS-1800MHz/ PCS-1900MHz |
| Gain                         | Unity (3dBi)                          |
| Power                        | 10 Watts                              |
| VSWR                         | < 2 : 1                               |
| Connectors                   | Multi-type of options                 |
| Bandwidth                    | Broad band                            |
| Impedance                    | 50 ohms                               |
| H-plane Beam width           | Omni directional                      |
| E-plane Beam width           | 100 degree                            |
| Polarization                 | Vertical                              |
| Dimensions                   | 115 x 21 x 4mm                        |
| Mounting                     | Double-side tape                      |
| <b>Mechanical Properties</b> |                                       |
| Antenna Cover                | Polyurethane                          |
| Color                        | Black                                 |
| Operation Temperature        | -20°C ~+60°C                          |
| Storage Temperature          | -30°C ~+75°C                          |

