

868MHz PCB Mounting

Features

- Omni directional Antenna
- Miniature Size:
- Length = 8.5mm
- DIA = 7mm
- VSWR <2
- 50Ω Impedance
- 0dBi Gain (nominal)



Applications

- General Low Power Radio
- M2M Applications
- Telemetry

Description

The BEAD Antenna provides a compact PCB mounting solution where a high performance is required from a small space .

Available as straight or 90 degree mount this antenna is a general purpose omni-directional

Ordering Information

| PART No | Description |
|----------------|--------------------------------|
| ANT-BEAD-868 | Miniature Bead Antenna |
| ANT-BEAD-86890 | Miniature Bead Antenna R/A Leg |

Technical Data

Parameter Description

| | |
|-------------------|-----------------------|
| Frequency Band | 868 MHz |
| Nominal Impedance | 50 ohm |
| Polarization | Vertical |
| Return Loss | Please See Data below |
| V.S.W.R | 2.0: 1 |

Mechanical

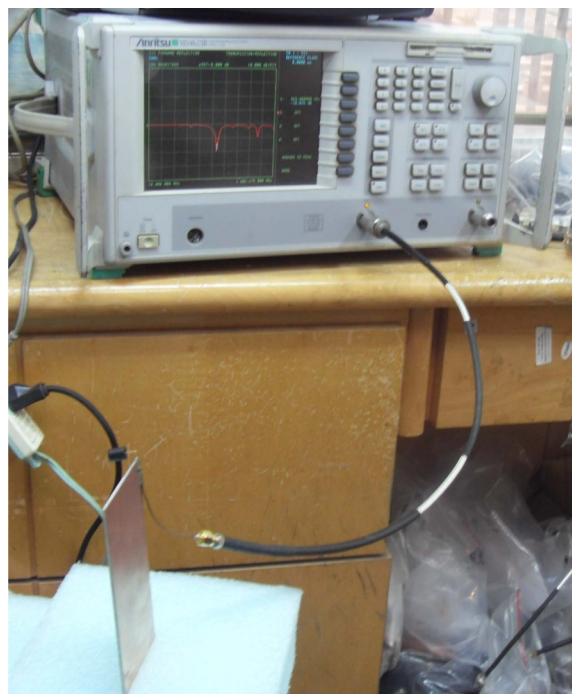
| | |
|-----------------------------|------------------|
| Antenna Type | External Antenna |
| Antenna Material | TPE EL630 |
| Antenna Dimensions | 14.5mm \pm 2 |
| Antenna Color | Black |
| Operating Temperature Range | -20°C~+60°C |

Notes

Optimum antenna performance is achieved with a Ground Plane. The following data was characterised with the setup as below
Test PCB, Size: 137(L) x 57(W) x 1(H) mm (for ref.)

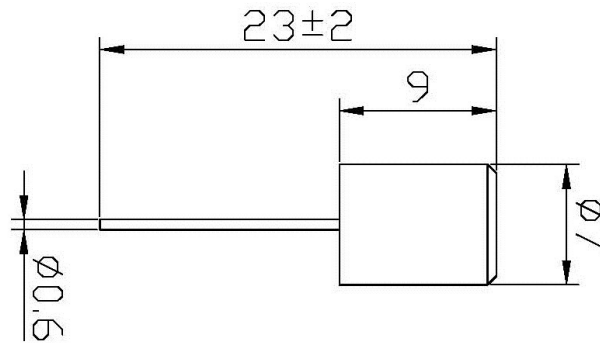
Customisation

We are able to provide custom tuning of these antenna for specific customer applications. Please contact our sales dept for further information.

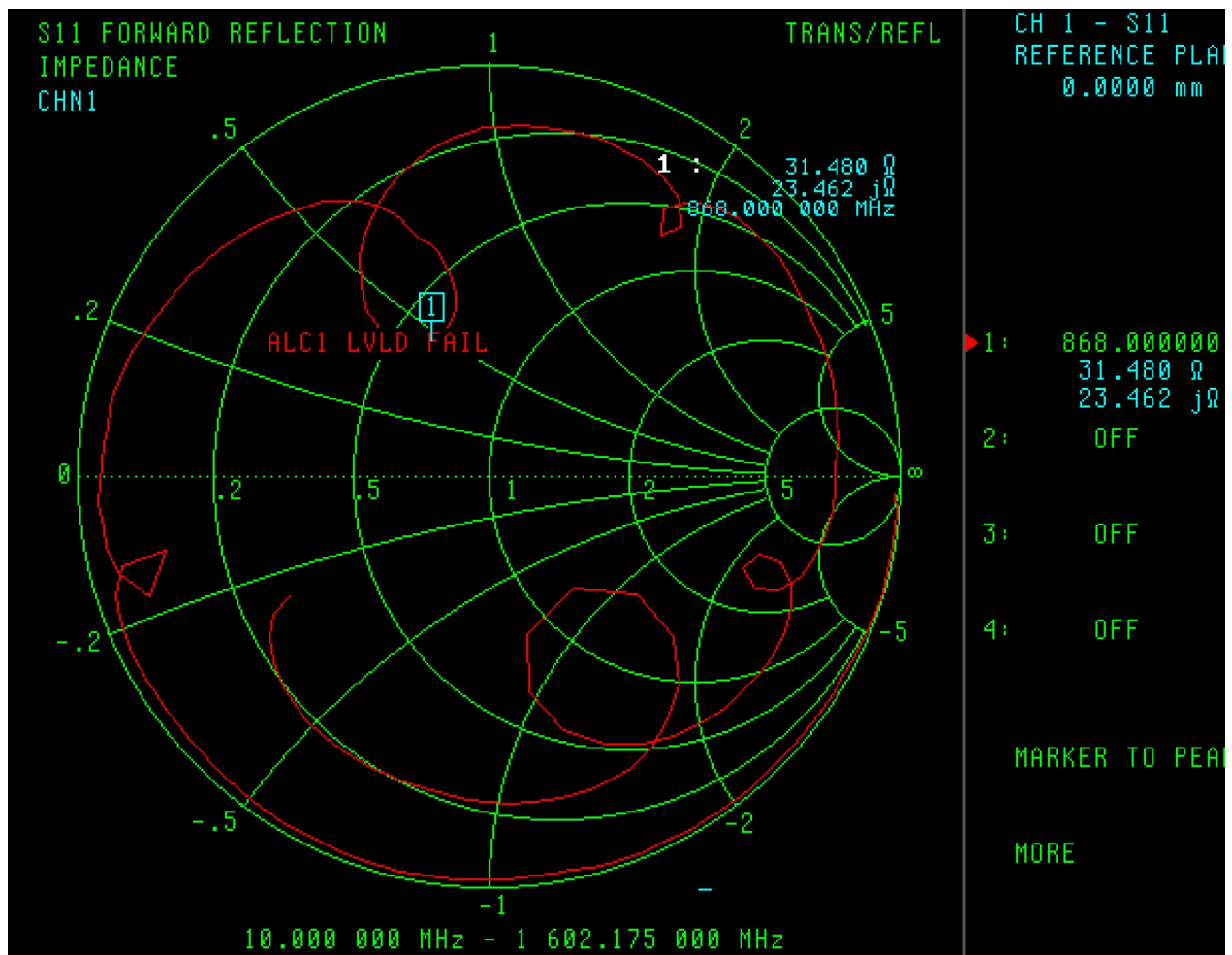


Straight Leg Version

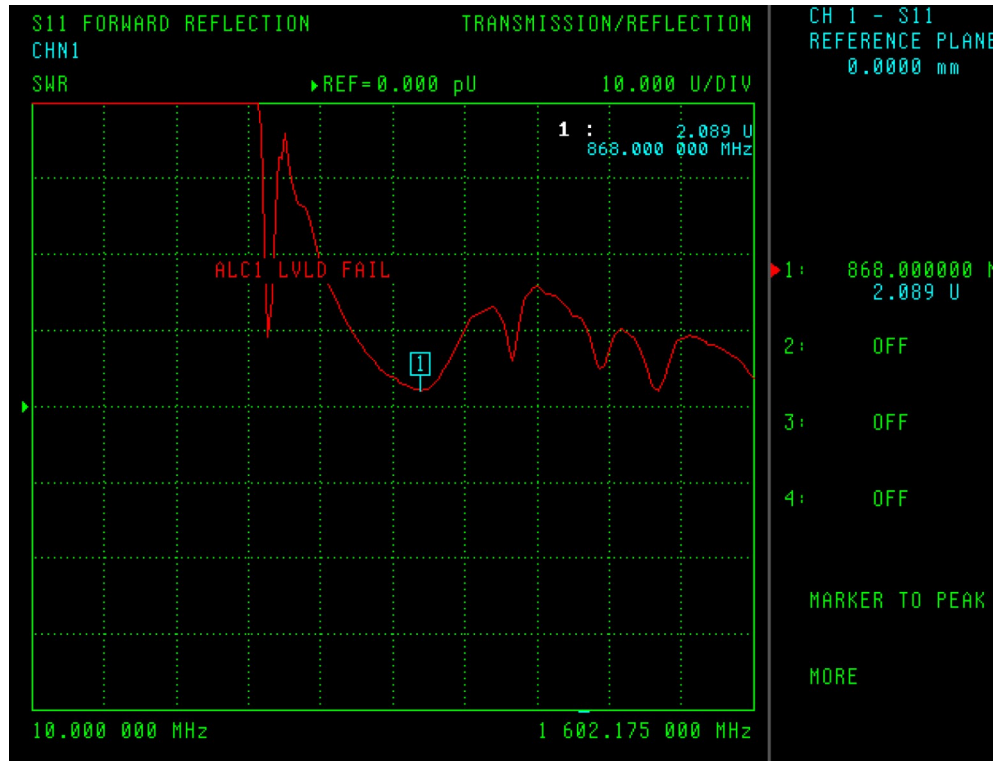
Mechanical Detail



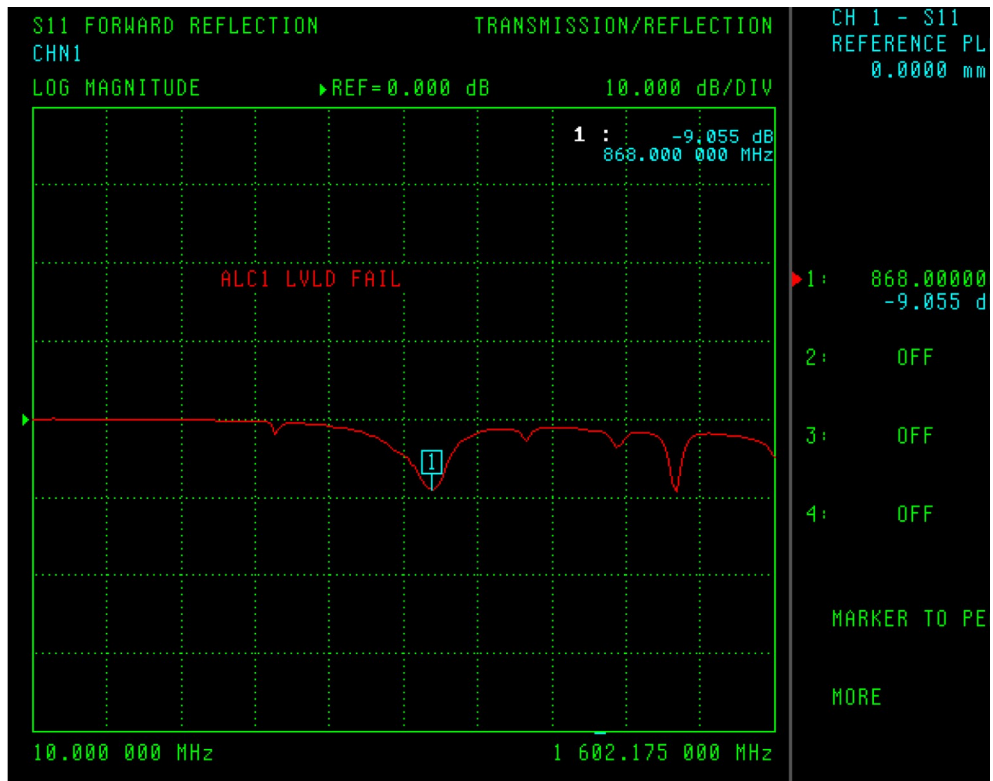
Performance Data – SMITH CHART



Performance Data – VSWR

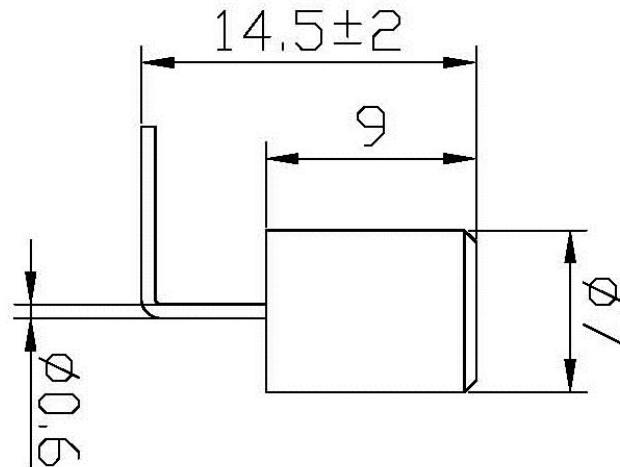


Performance Data – RETURN LOSS

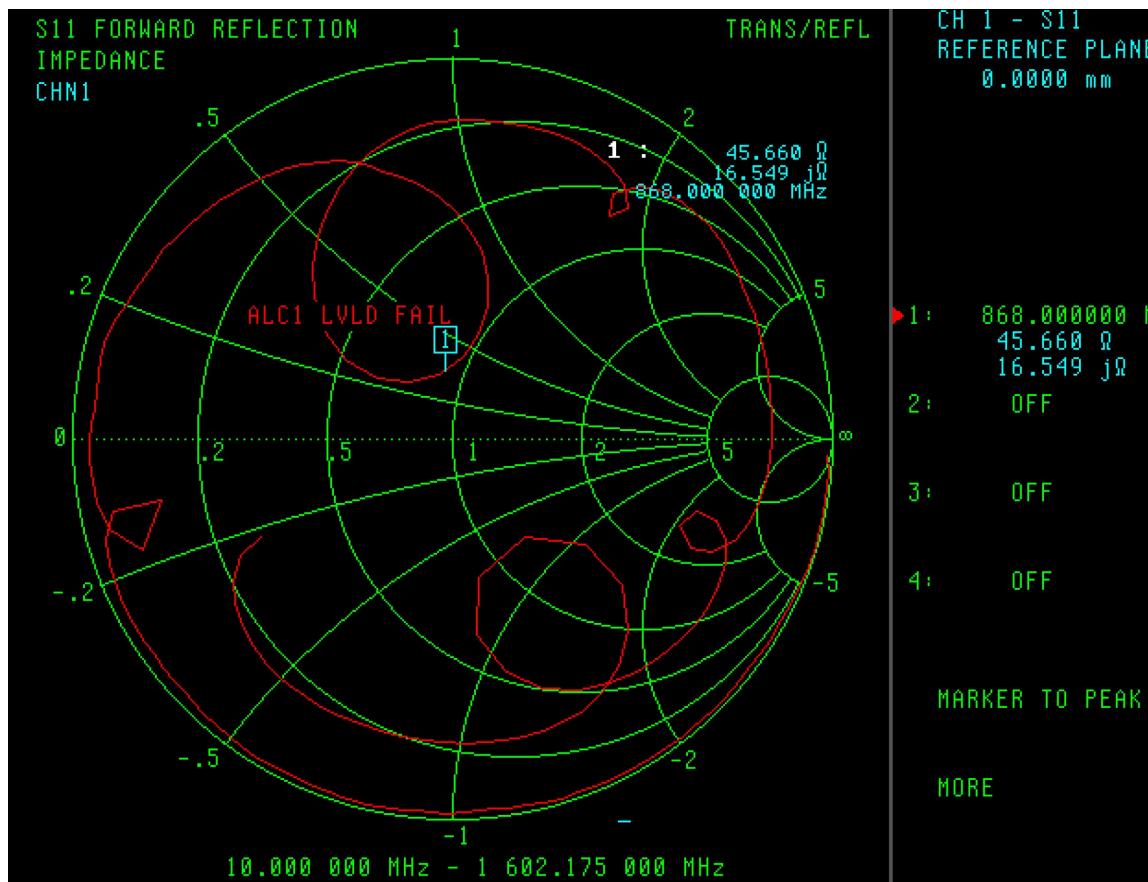


Bent Leg Version

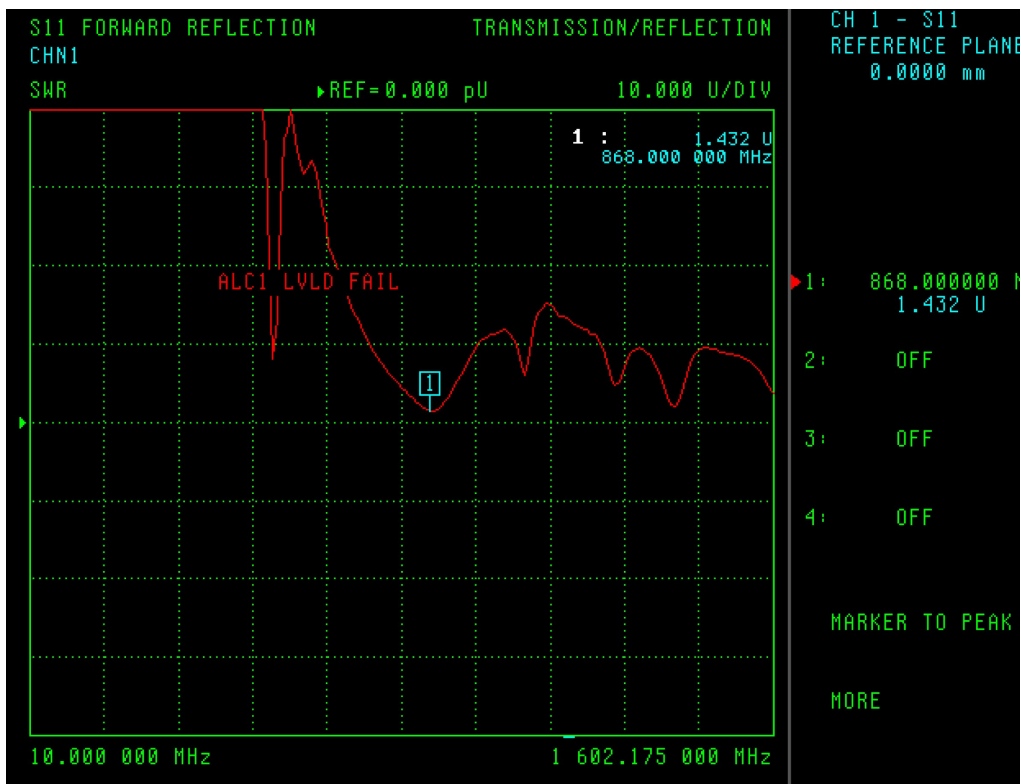
Mechanical Detail



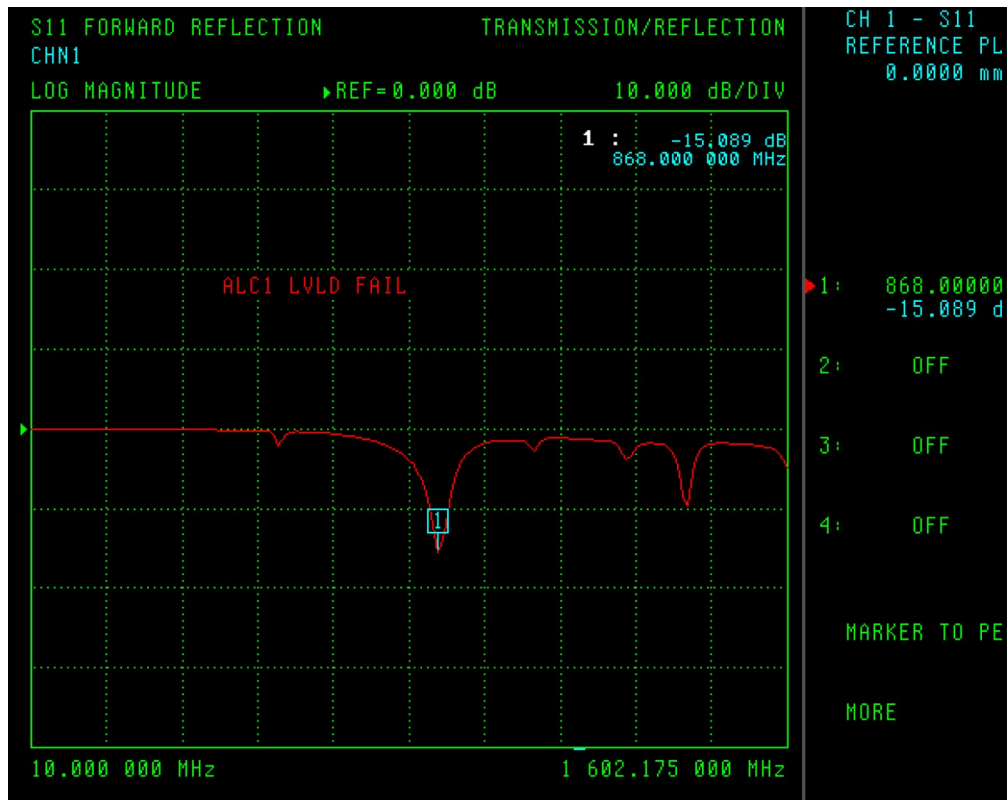
Performance Data – SMITH CHART



Performance Data – VSWR



Performance Data – RETURN LOSS



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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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