



868 ANTENNA

Antenna 868 MHz Screw Mount
R36, PUCK, SMA(m), RG174/1,5m,
IP67, Rubber Protective Coating

AO-A868-36S15

SECTRON company offers a wide portfolio of 868 antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.



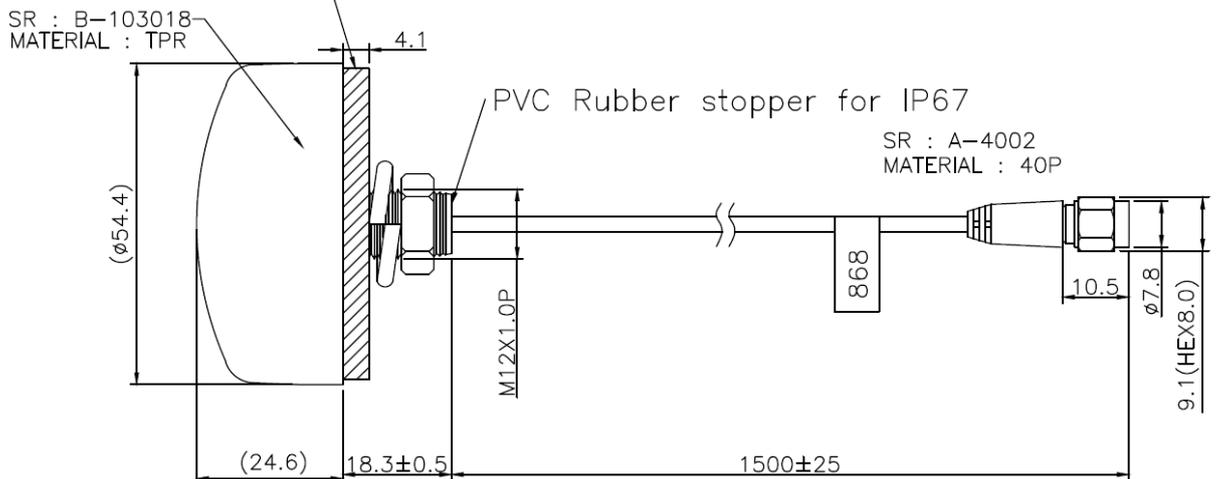
BENEFITS

- IP67
- Narrow-band antenna
- Optimized radiation pattern

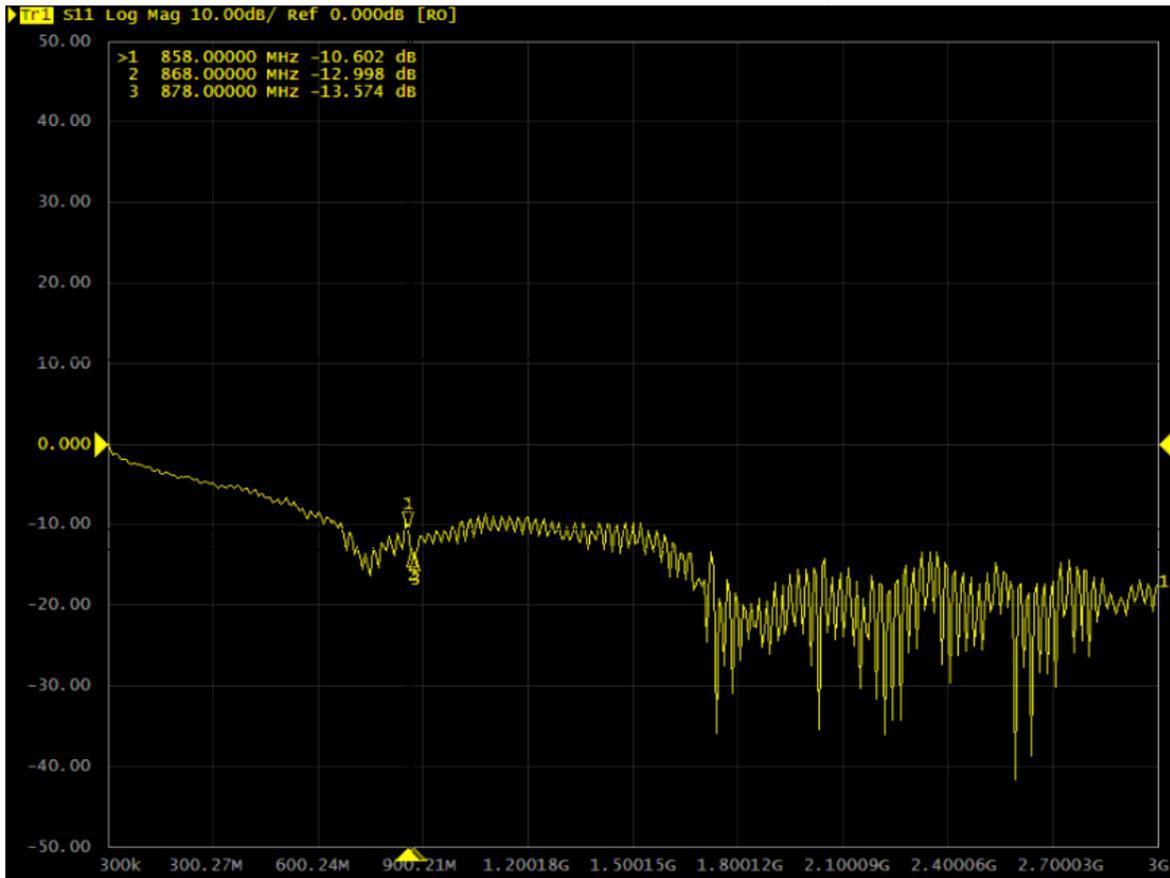
| | |
|-----------------------|-------------------------|
| Technology | ISM |
| Frequency bands | 858/868/878 MHz |
| Bandwidth | <20 MHz |
| Gain | 2.88 dBi |
| VSWR | <1.86:1 |
| Impedance | 50 Ohm |
| Directivity | Omnidirectional |
| Beam angle | Attached graph bellow |
| Polarization | Linear |
| Maximum input power | 10 W |
| Power voltage | - |
| Dimensions | ∅ 54.4 x 42.9 mm |
| Weight | - |
| Operating temperature | -40 to +85 °C |
| Execution | External |
| Method of attachment | Screw Mount |
| Cable type | RG174/U |
| The cable length | 1500 mm |
| Connector type | SMA(m) |
| Certification | RoHS, ISO9001, ISO14001 |
| IP code | IP67 |
| Material | TPR |

DRAWING

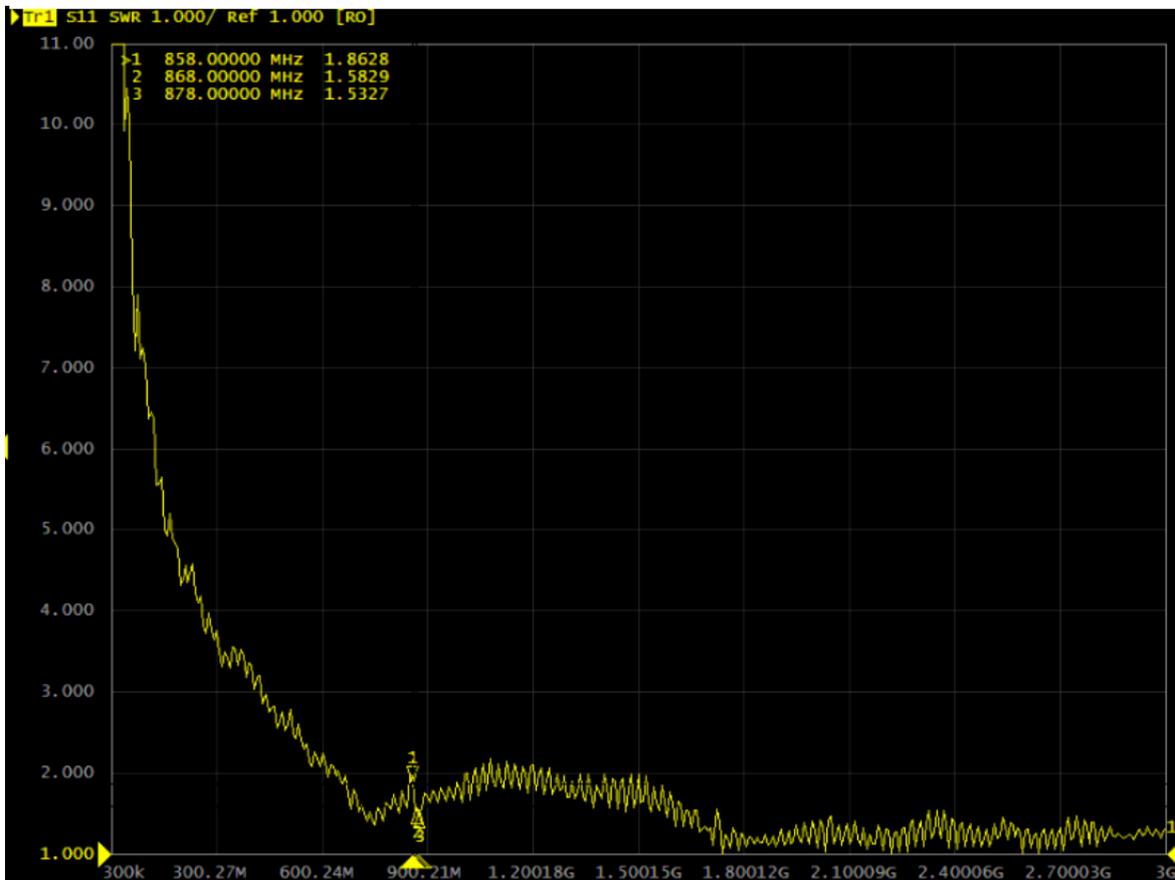
52X4 Double-Sided CR foam tape
(PK-619 Put on only;no required
to stick on)



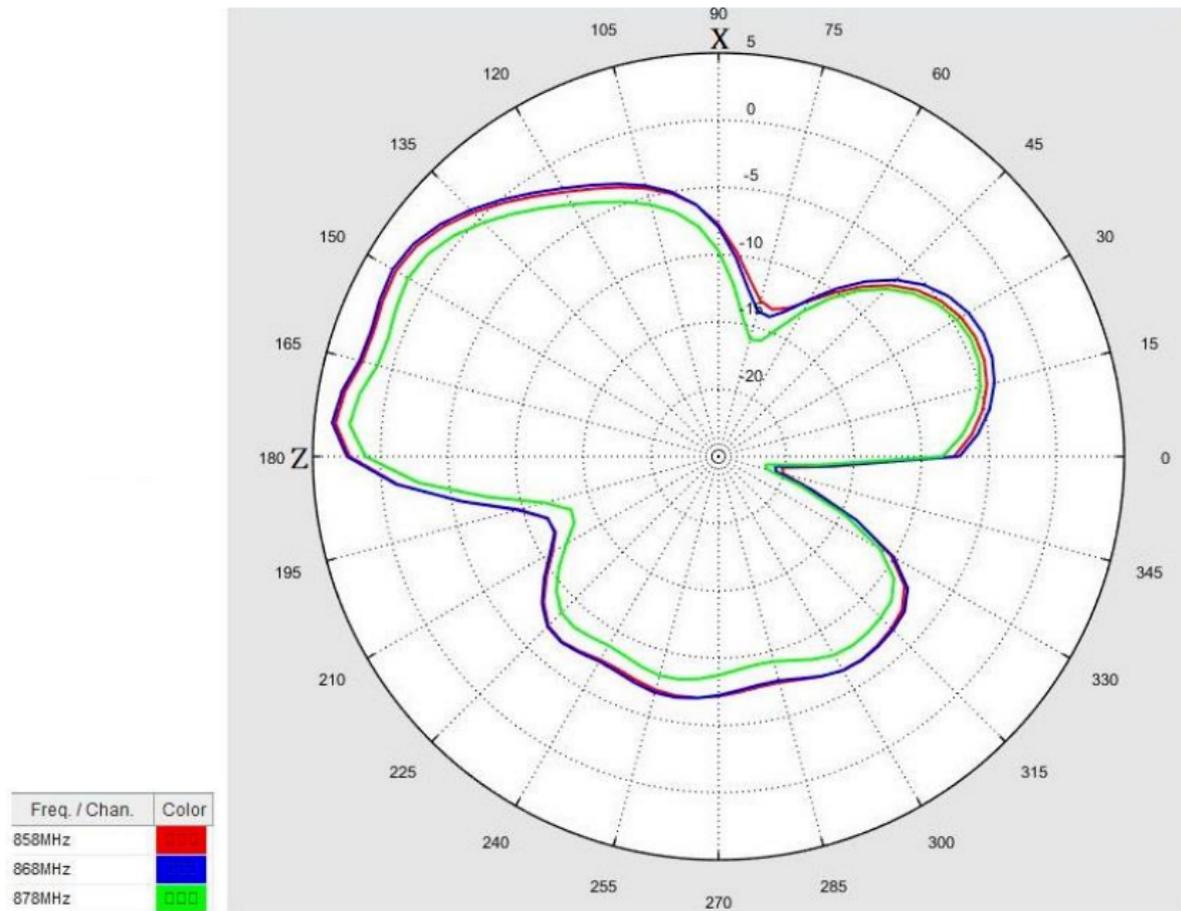
S_{11} - Return Loss [dB]



VSWR – Voltage standing wave ratio [-]



2D RADIATION PATTERN



SUMMARY

AO-A868-36S15

| Frequency [MHz] | S_{11} [dB] | VSWR [-] | Gain [dBi] | Efficiency [%] |
|-----------------|---------------|----------|------------|----------------|
| 858 | -10.60 | 1.86 | 2.70 | 33.04 |
| 868 | -12.99 | 1.58 | 2.88 | 34.43 |
| 878 | -13.57 | 1.53 | 1.53 | 25.59 |

VARIANTS

AO-A868-36S15

Different connector variants or cable lengths are available on request.

CONTACTS

SECTRON s.r.o. Josefa Šavla 1271/12
709 00 Ostrava 9, Czech Republic

WWW.SECTRON.CZ
Tel.: +420 556 621 020