



ISM ANTENNA

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

AO-A868-36S1

SECTRON company offers a wide portfolio of ISM 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

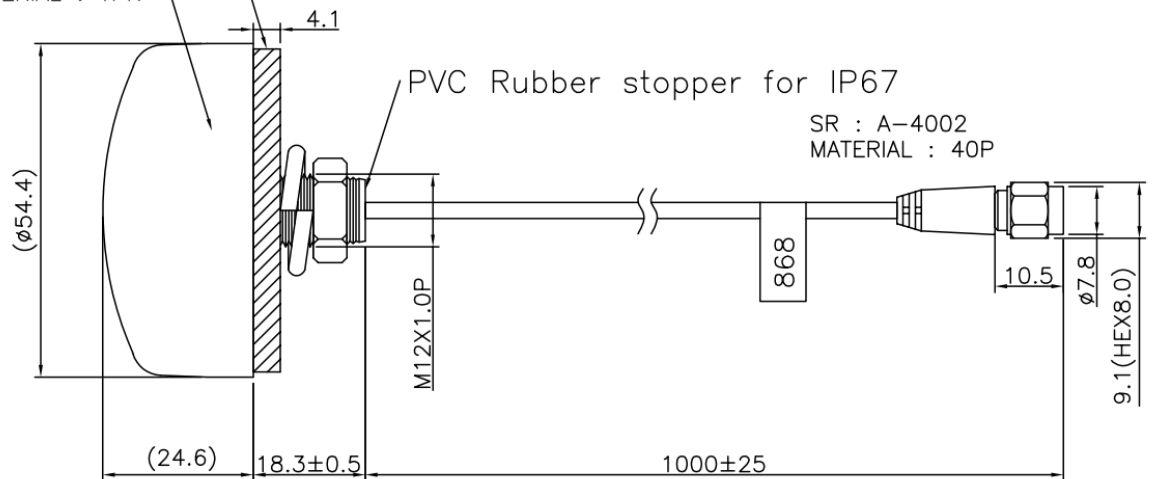
- IP67
- Narrow-band antenna
- Optimized radiation pattern

Technology	ISM
Frequency bands	868 MHz
Bandwidth	<20 MHz
Gain	2.88 dBi
VSWR	<1.86:1
Impedance	50 Ohm
Directivity	Omnidirectional
Polarization	Linear
Maximum input power	10 W
Power voltage	-
Dimensions	Ø 54.4 x 47 mm
Weight	-
Operating temperature	-40 to +85 °C
Execution	External
Method of attachment	Mounting
Cable type	RG174/U
The cable length	1 m
Cable connector type	SMA(m)
Material	TPR
Certification	RoHS, ISO9001, ISO14001
IP code	IP67

DRAWING

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

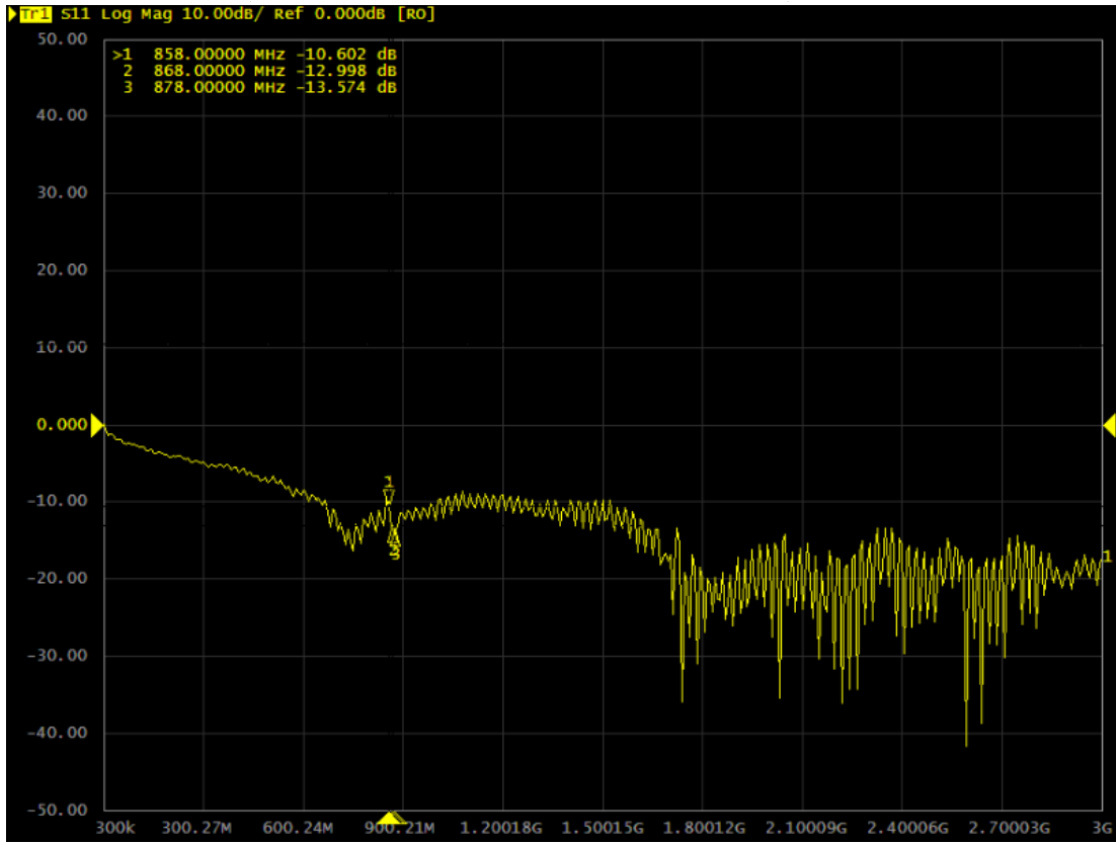
SR : B-103018
MATERIAL : TPR



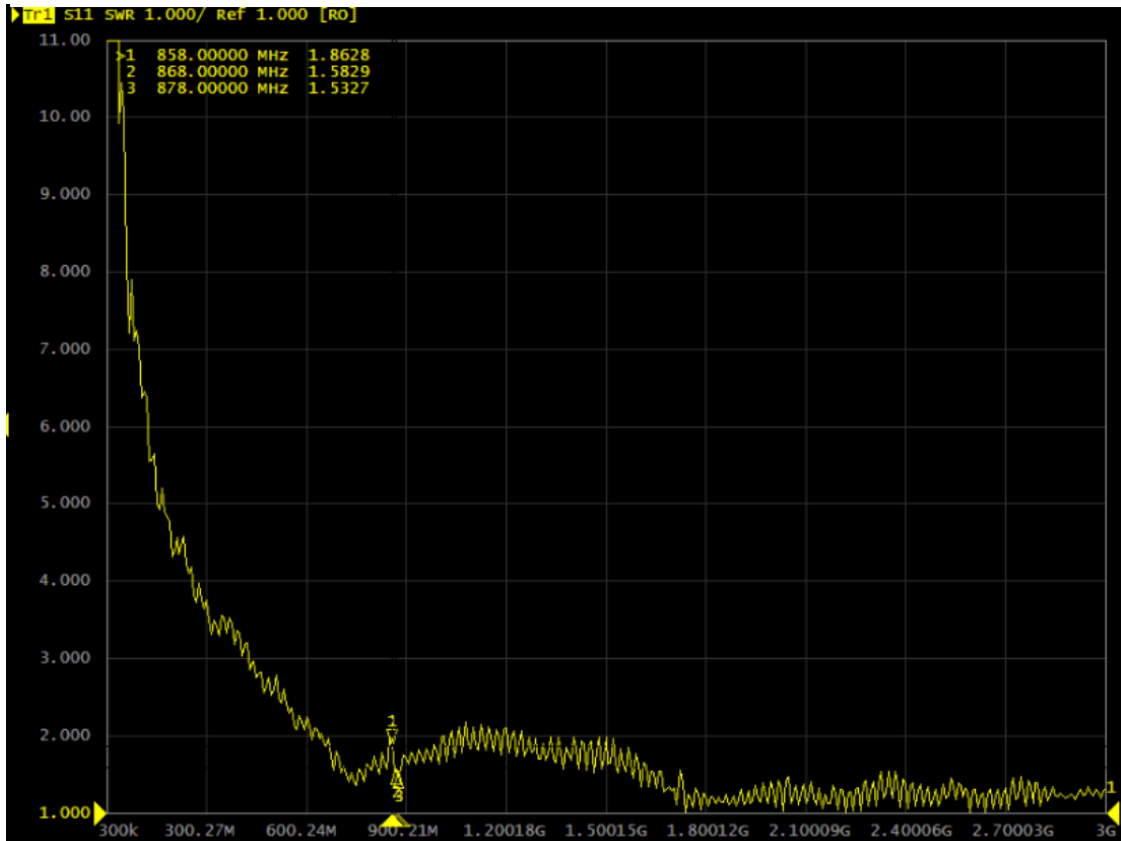
SR : A-4002
MATERIAL : 40P

Unit: mm

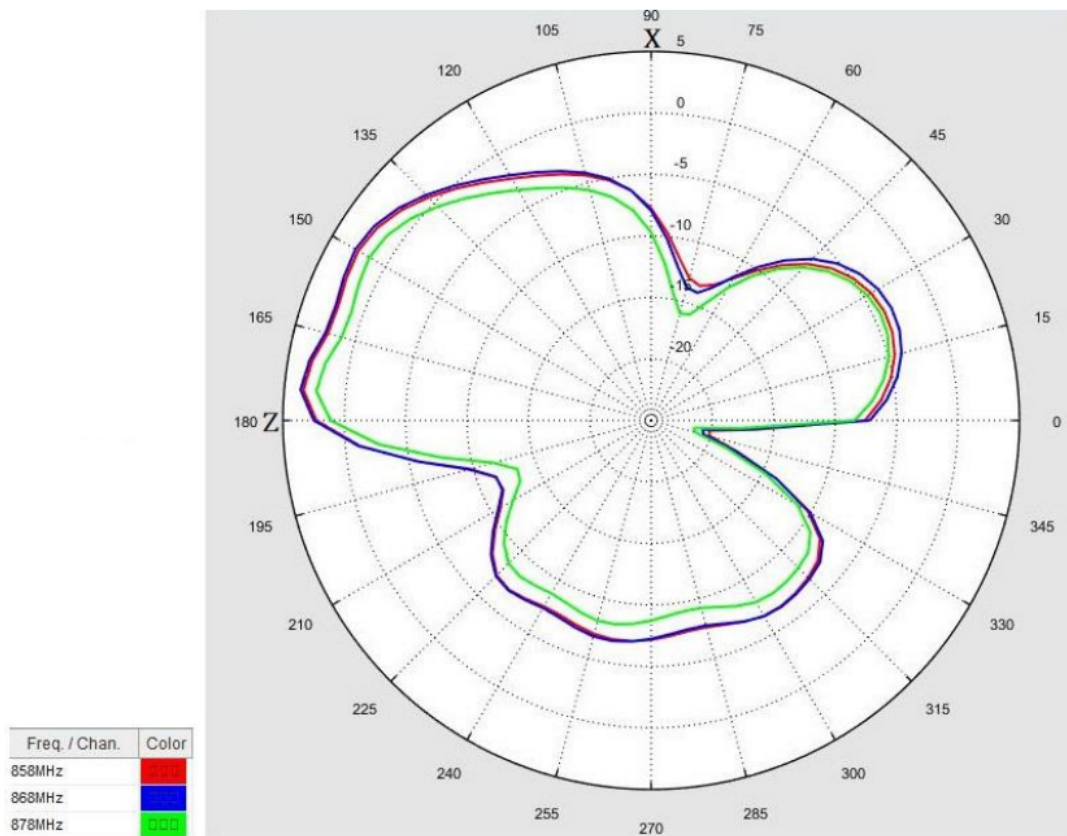
S_{11} - Return Loss [dB]



VSWR – Voltage standing wave ratio [-]



2D radiation patern [-]



SUMMARY

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

VARIANTS

Different connector variants or cable lengths are available on request.

CONTACTS

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