



# ISM ANTENNA

Antenna 868 MHz Magnetic Mount,  
1.3 dBi, SMA(m), RG174U, 3 m

AO-A868-MG3S

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

- Low VSWR
- Narrow-band antenna
- Easy installation

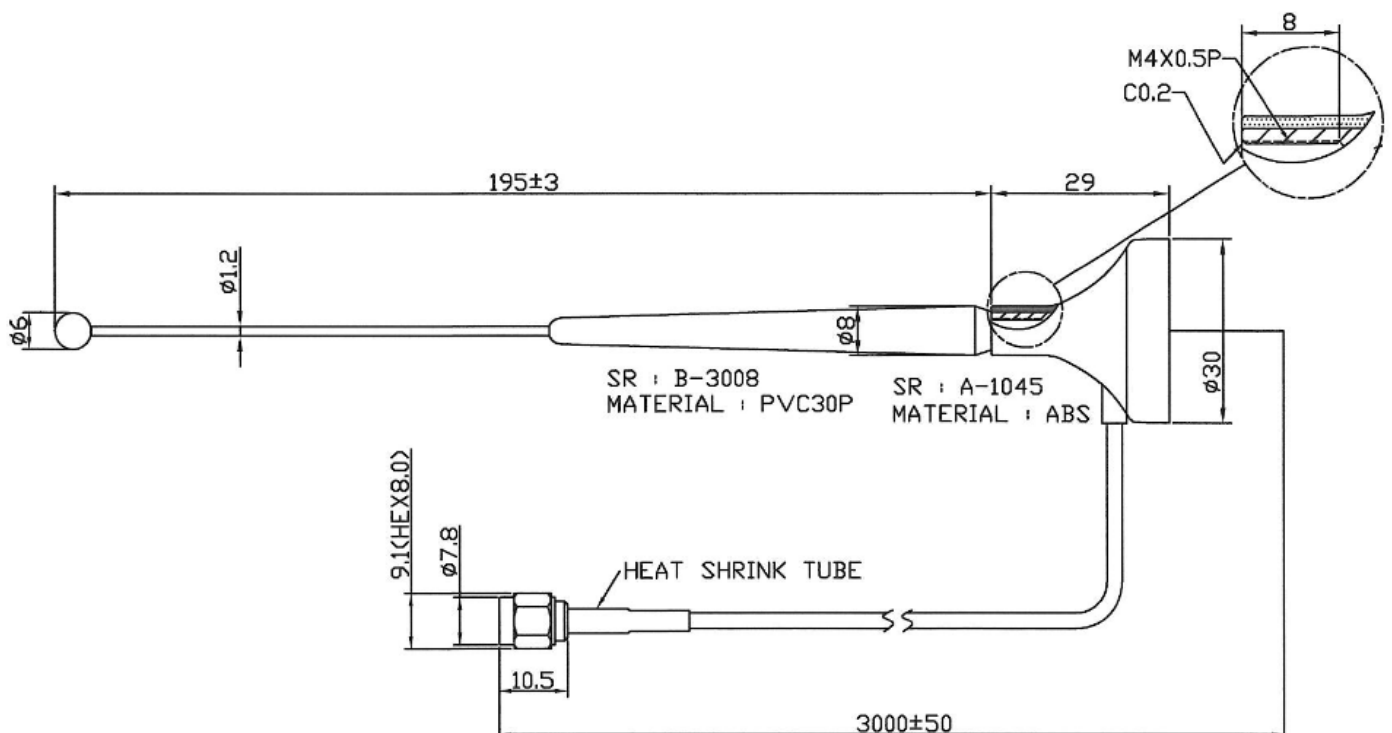


## FEATURES

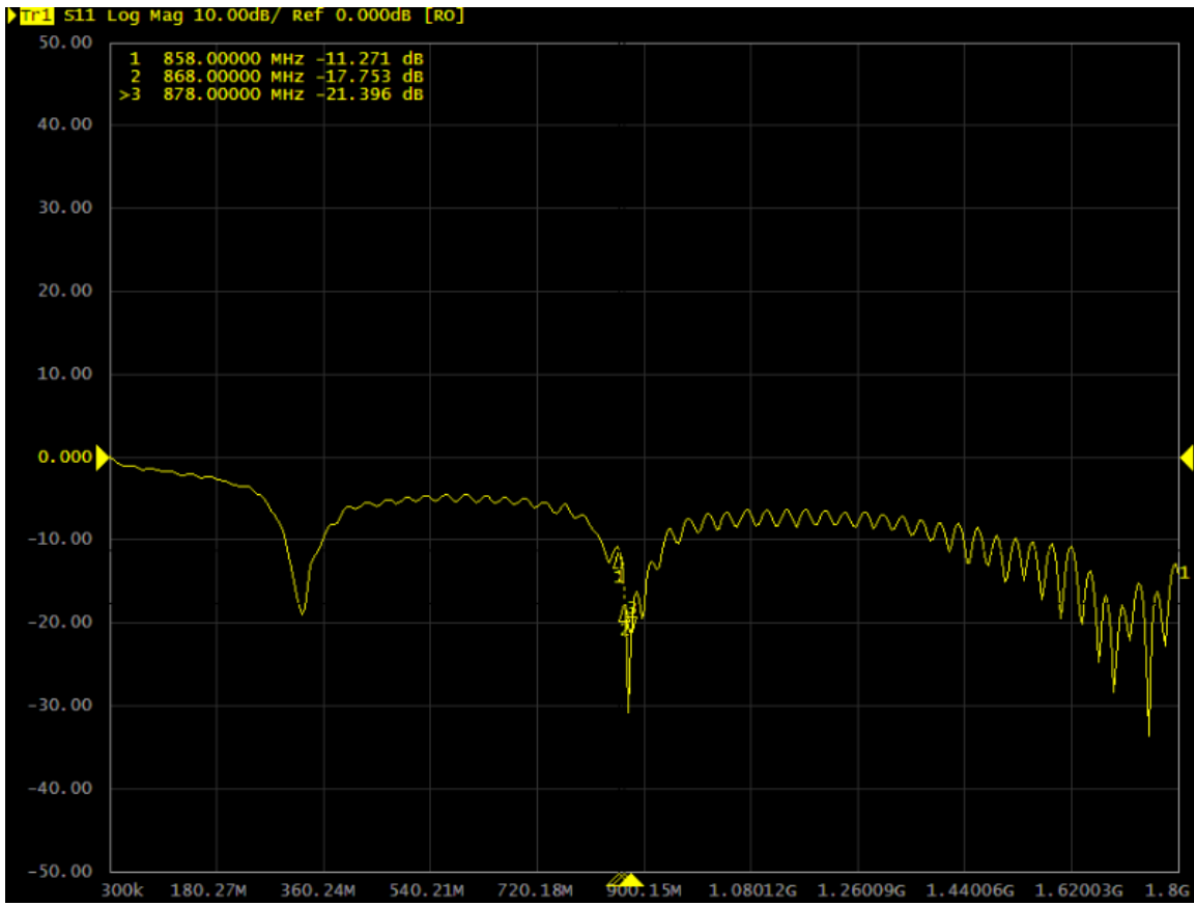
AO-A868-MG3S

Technology	ISM
Frequency bands	868 MHz
Bandwidth	< 20 MHz
Gain	1.3 dBi
VSWR	< 1.4:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Linear (Vertical)
Maximum input power	10 W
Power voltage	-
Dimensions	∅ 30.0 x 227.0 mm
Weight	
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Magnetic
Cable type	RG174/U
The cable length	3 m
Connector type	SMA(m)
Certification	RoHS, ISO9001, ISO14001
Material	PVC/ABS

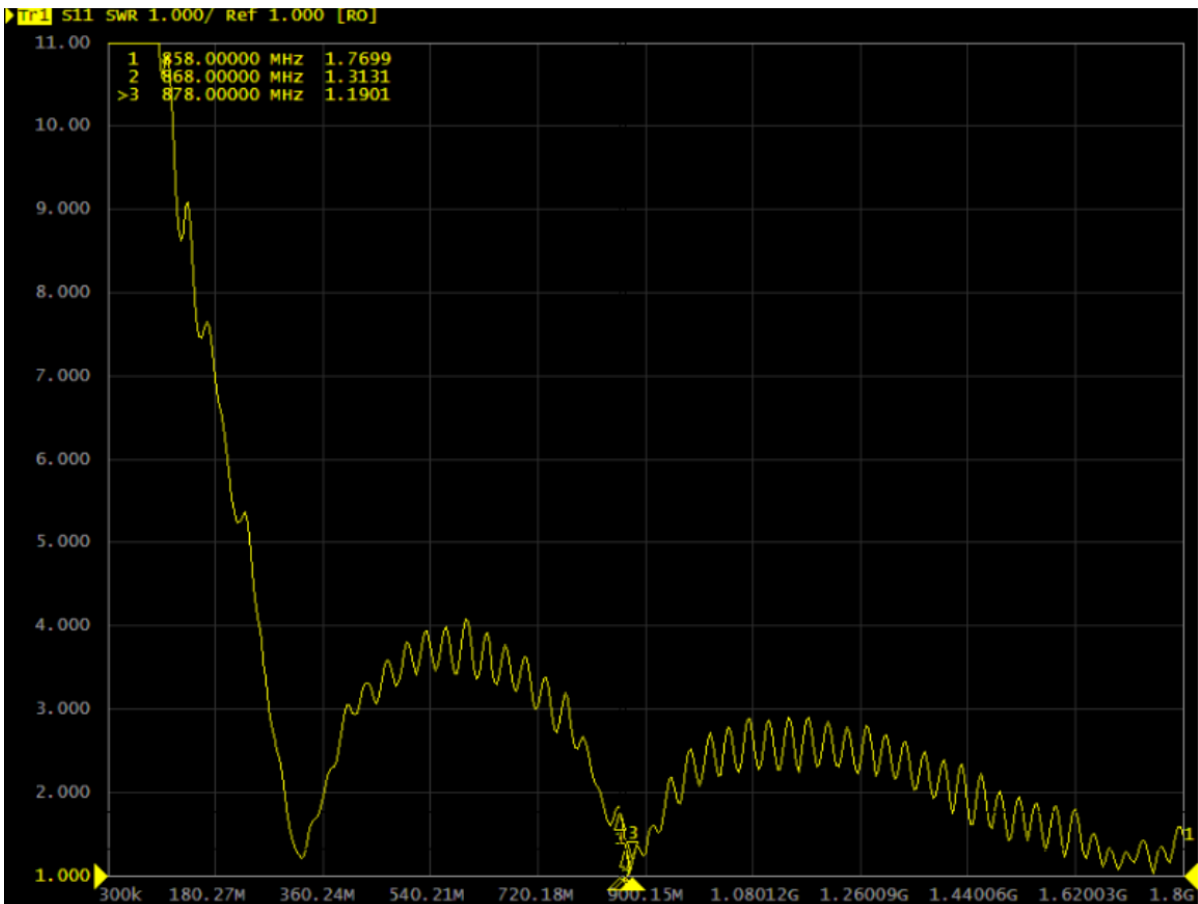
## DRAWING



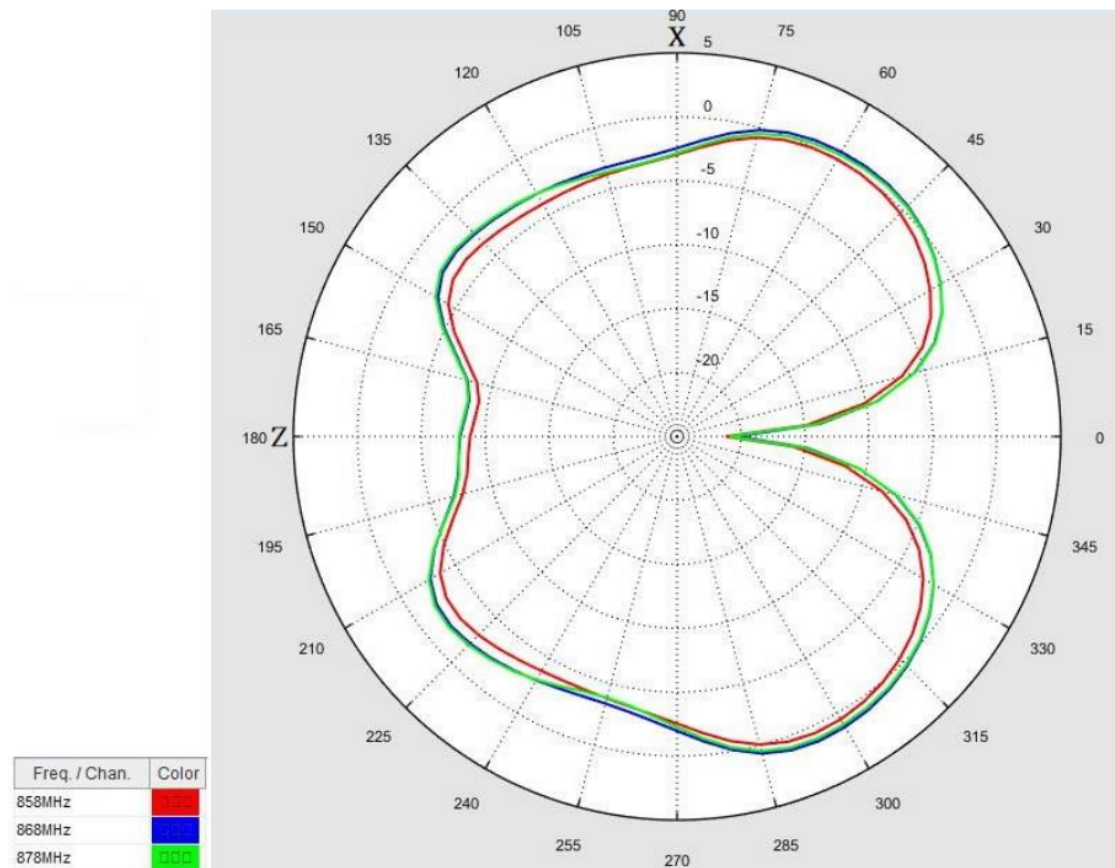
$S_{11}$  - Return Loss [dB]



VSWR – Voltage standing wave ratio [-]



## RADIATION PATTERN - 2D



## SUMMARY

Frequency [MHz]	$S_{11}$ [dB]	VSWR [-]	Efficiency [%]	Gain [dBi]
858	-12.27	1.76	60.53	0.59
868	-17.75	1.31	71.45	1.30
878	-21.39	1.19	68.87	1.09

## VARIANTS

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