

GSM ANTENNA

Antenna GSM Connector Mount FMER, 90°, 0 dBi, FME(f) 90°

AO-AGSM-FMER

SECTRON company offers a wide portfolio of GSM 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.



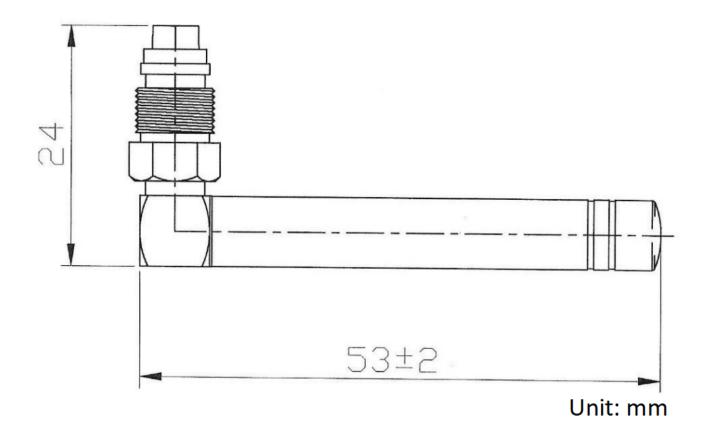
BENEFITS

- Minimalistic dimensions
- Omnidirectional antenna
- Easy installation

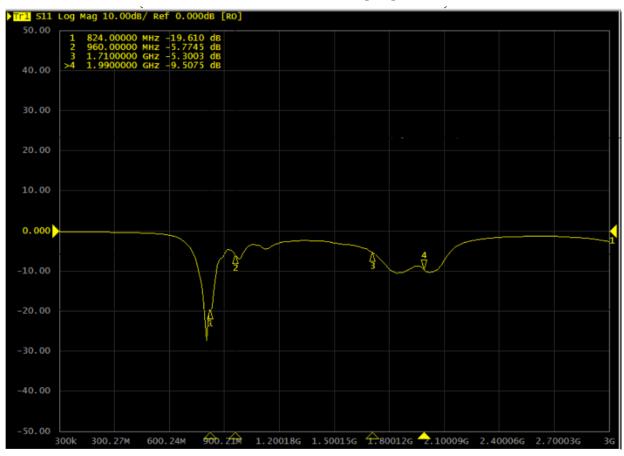
FEATURES AO-AGSM-FMER

| Technology Frequency bands Frequency bands Bandwidth Gain OdBi VSWR SWR Solympedance Solympedanc | | | | |
|--|-----------------------|----------------------------|--|--|
| Bandwidth Gain 0 dBi VSWR <3.0:1 Impedance 50 Ohm Directivity Omnidirectional Beam angle Attached graphs bellow Polarization Linear Maximum input power 10 W Power voltage - Dimensions 10.0 x 24.0 x 53.0 mm Weight 7.47 g Operating temperature -30 to +70 °C Execution External Method of attachment Connector Mount Cable type - The cable length - Connector type FME(f) | Technology | GSM/UMTS | | |
| Gain0 dBiVSWR<3.0:1 | Frequency bands | 800/900/1700/1800/1900 MHz | | |
| VSWR <3.0:1 Impedance So Ohm Directivity Omnidirectional Beam angle Attached graphs bellow Polarization Linear Maximum input power 10 W Power voltage - Dimensions 10.0 x 24.0 x 53.0 mm Weight 7.47 g Operating temperature -30 to +70 °C Execution External Method of attachment Connector Mount Cable type - The cable length - Connector type FME(f) | Bandwidth | - | | |
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| Beam angle Attached graphs bellow Polarization Linear Maximum input power 10 W Power voltageDimensions 10.0 x 24.0 x 53.0 mm Weight 7.47 g Operating temperature -30 to +70 °C Execution External Method of attachment Connector Mount Cable type The cable length Connector type FME(f) | Impedance | 50 Ohm | | |
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| Dimensions 10.0 x 24.0 x 53.0 mm Weight 7.47 g Operating temperature -30 to +70 °C Execution External Method of attachment Connector Mount Cable type - The cable length - Connector type FME(f) | Maximum input power | 10 W | | |
| Weight 7.47 g Operating temperature -30 to +70 °C Execution External Method of attachment Connector Mount Cable type - The cable length - Connector type FME(f) | Power voltage | - | | |
| Operating temperature -30 to +70 °C Execution External Method of attachment Connector Mount Cable type - The cable length - Connector type FME(f) | Dimensions | 10.0 x 24.0 x 53.0 mm | | |
| ExecutionExternalMethod of attachmentConnector MountCable type-The cable length-Connector typeFME(f) | Weight | 7.47 g | | |
| Method of attachment Cable type The cable length Connector type FME(f) | Operating temperature | -30 to +70 °C | | |
| Cable type - The cable length - Connector type FME(f) | Execution | External | | |
| The cable length Connector type FME(f) | Method of attachment | Connector Mount | | |
| Connector type FME(f) | Cable type | - | | |
| | The cable length | - | | |
| Certification RoHS, ISO9001, ISO14001 | Connector type | FME(f) | | |
| | Certification | RoHS, ISO9001, ISO14001 | | |

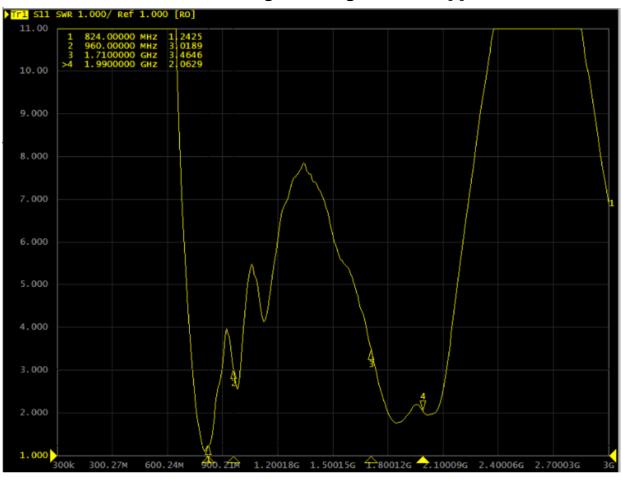
DRAWING



 S_{11} - Return Loss [dB]

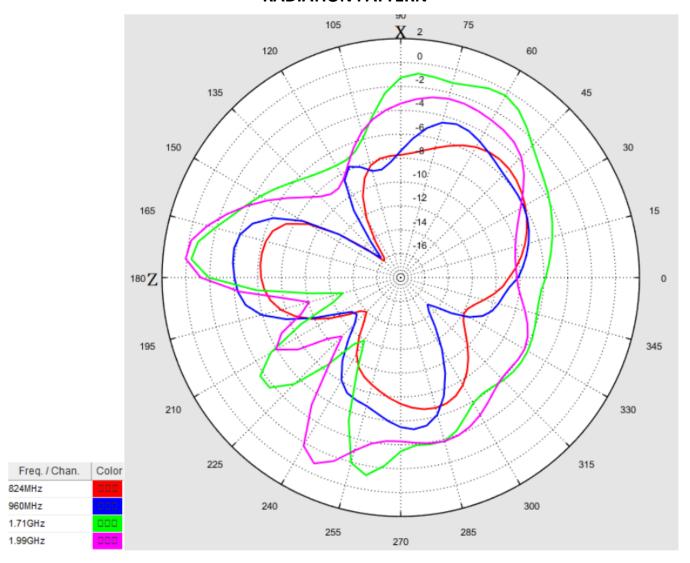


VSWR - Voltage standing wave ratio [-]



MEASUREMENT AO-AGSM-FMER

RADIATION PATTERN



SUMMARY

| Frequency [MHz] | S_{11} [dB] | VSWR [-] | Efficiency [%] | Gain [dBi] |
|-----------------|---------------|----------|----------------|------------|
| 824 | -19.61 | 1.24 | 18.84 | -4.66 |
| 960 | -5.77 | 3.01 | 23.6 | -3.18 |
| 1710 | -5.30 | 3.46 | 44.16 | 0.5 |
| 1990 | -9.50 | 2.06 | 39.9 | 0.32 |

VARIANTS

Different connector variants or cable lengths are available on request.

CONTACTS