

Product: FIN-181 DAB, AM/FM, GNSS

Product Order Code:

BM-02061

Amplified DAB/AM-FM/GNSS Combination Antenna

DAB, AM/FM, GNSS

- Rugged high performance roof mounted antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

Dimensions	181mm (L) x 70mm (W) x 69mm (H)
Weight	172g
Construction Materials	ABS UV Stable
Mounting Arrangement	Free Space Ground Plane Dependent
Temperature Range	-40°C to +85°C
Protection Class	IP67 - Weather Mounted
Relative Humidity	>95%
Vibration	10 to 1000Hz / G 28.7m/s

DAB Band III & L Band

Frequency Range	Band III: 174 - 240 MHz L-Band: 1452 - 1492 MHz
Impedance	50 Ohm
Polarisation	Linear
Gain	Band III: 174 - 240 MHz @ 19dB +/-3dB L-Band: 1452 - 1492 MHz @ 16dB +/-3dB
Radiation Pattern	Omni-Directional
Current Consumption	26-28mA
Supply Voltage	5v DC to 16v DC
Return Loss (VSWR)	≤ 2:5 (All Bands)
Radiator Type	Monopole
Current Consumption	<40mA @ 12 VDC
Cable type	RG174
Cable Length	300mm
Connector	FAKRA Female
Test & Measurement Conditions	300mm x 300mm x 2mm Aluminium / 3000mm RG174 Cable / FAKRA F Code

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AM/FM

Frequency Range	AM: 520 - 1629 KHz FM: 76 - 108 MHz
Impedance	50 Ohm
Polarisation	Linear
Gain	AM: 520 - 1629 KHz @ 6dB +/-2dB FM: 76 - 108 MHz @ 5dB +/- 2dB
Radiation Pattern	Omni-Directional
Current Consumption	26-28mA
Supply Voltage	9v DC to 16v DC
Return Loss (VSWR)	≤ 2:5 (All Bands)
Radiator Type	Mono ole
Current Consum tion	<60mA @ 12 DC
Cable type	RG174
Cable Length	300mm
Connector	DIN MALE
Test & Measurement Conditions	300mm x 300mm x 2mm Aluminium / 3000mm RG174 Cable / DIN MALE

GNSS

Frequency Range	GPS, GALILEO, QZSS:	1575.42 MHz Centre Frequency
Impedance		50 Ohm
Polarisation		RHCP
Radiation Pattern		Hemispherical
Return loss (VSWR)		<1.8:1 @ 1575.42MHz
Gain		28dB @ 3v / 30dB @ 5v
Operational Voltage		3v to 5v DC
Current Consumption		<25mA
Power Consumption		40mW (Typical)
SAW Filter		Pre-filter
Noise Figure		<1.5dB
Cable Type		RG174
Cable Length		300mm
Connector		FAKRA FEMALE Code C (Blue)
Test & Measurement Conditions		300mm x 300mm x 2mm Aluminium / 3000mm RG174 Cable / FAKRA F Code C

CAD Dimensions

