

Product: FIN-147 DAB, AM/FM, GNSS

Product Order Code:

BM-02061/147

Shark Fin Style 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	147mm (L) x 76mm (W) x 70.4mm (H)
Weight	188g
Construction Materials	ABS UV Stable
Mounting Arrangement	Free Space Ground Plane Dependent
Temperature Range	-40°C to +85°C
Protection Class	IP67 - When 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 @ 18dB +/-2dB L-Band: 1452 - 1492 MHz @ 3dB +/-1dB
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 @ 12v DC
Cable type	RG174
Cable Length	250mm
Connector	FAKRA Male Code G (Gray)
Test & Measurement Conditions	300mm x 300mm x 2mm Aluminium / 3m RG174

Product: FIN-147 DAB, AM/FM, GNSS

Product Order Code:
BM-02061/147

Amplified DAB/AM-FM/GNSS Combination Antenna

AM/FM

Frequency Range	AM: 150 - 1629 KHz FM: 87 - 108 MHz
Impedance	50 Ohm
Polarisation	Linear
Gain	AM: 150 - 1700KHz @ 6dB +/-2dB FM: 87 - 108MHz @ 8dB +/-2dB
Radiation Pattern	Omni-Directional
Current Consumption	26-28mA Max.
Supply Voltage	9v DC to 13v DC
Return Loss (VSWR)	≤ 2:5 (All Bands)
Radiator Type	Monopole
Current Consumption	<60mA @ 12v DC
Cable type	RG174
Cable Length	250mm
Connector	FAKRA Male Code B (White)
Test & Measurement Conditions	300mm x 300mm x 2mm Aluminium / 3m RG174

GNSS

Frequency Range	GPS, GALILEO, QZSS: 1559 - 1605MHz
Impedance	50Ohm
Polarisation	RHCP
Radiation Pattern	Hemispherical
Return loss (VSWR)	<2.5:1 @ 1575.42MHz
Gain	26dB @ 3v / 38dB @ 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	250mm
Connector	FAKRA Male Code C (Blue)
Test & Measurement Conditions	300mm x 300mm x 2mm Aluminium / 3m RG174

CAD Dimensions

