

MiMo5G

Multiband Cellular MiMo Antenna

Multiband antenna combining the cellular/mobile GSM(2G), UMTS(3G), LTE(4G), 5G NR(5G) and WiFi frequencies for vessel or land based communication.

- Two versions - 2x2 and 4x4
 - Up to four antenna elements in one enclosure
- Excellent performance, VSWR below 2.5 in 96% of the specified band
- Omni-directional design
- Designed for Maritime use
- Compact and light weight design

ELECTRICAL SPECIFICATIONS

| | |
|-------------------|---|
| Type | End-Fed Multiband Co-linear MiMo |
| Frequency | 617 - 960 MHz, 1710 - 2170 MHz, 2300 - 2690 MHz, 3300 - 4200 MHz, 4400 - 5000 MHz |
| Bands | 5G NR 600/700/800/900/1800/2100/2600/3500/3700/4900 MHz LTE 700/800/1800/1900/2600 MHz UMTS 700/800/900/2100 MHz GSM 850/900/1800/1900 MHz WiFi 2.4 GHz |
| Bandwidth | See "FREQUENCY" |
| Impedance | 50 Ohm |
| VSWR | < 4.0:1 (612-698 MHz, Typ.) < 3.0:1 (698-960 MHz, Typ.) < 3.0:1 (1710-2690 MHz) < 2.0:1 (3300-4200 MHz/4400-5000 MHz) |
| Isolation | > 10 dB |
| Gain | -1.0 dBd, 1.15 dBi, 2.0 dB (Marine) (617-960 MHz) 1.0 dBd, 3.15 dBi, 4.0 dB (Marine) (1710-2170, 2300-2690 MHz) 2.0 dBd, 4.15 dBi, 5.0 dB (Marine) (3300-4200, 4400-5000 MHz) |
| Polarisation | Vertical |
| Radiation Pattern | Omni-directional |
| Max. Input Power | 10 W |



Datasheet

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MECHANICAL SPECIFICATIONS

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|-----------------------|--|
| Color | White and black |
| Length | MiMo5G-2: 455 mm MiMo5G-4: 785 mm (Excluding cables) |
| Weight | MiMo5G-2: 460 g MiMo5G-4: 840 g |
| Mounting | Integrated 1-14"NF Thread |
| Mounting Place | On mast or deck (see P/N; 10000-173 & 10000-183) |
| Materials | UV Protected PC, PTFE, PE, PCB and chromed solid brass |
| Survival Wind Speed | 55 m/s (125 mph) |
| Operating Temperature | -40 °C to +70 °C |
| Connector | SMA-male (Other types available on request) |
| Cable | Approx. 1.0 m LTR195 |
| Ingress Protection | IP65 |
| Serial No. | On product label |



ORDERING INFORMATION

| | |
|-----------|-----------------------------------|
| 18102-002 | MiMo5G-2 2 x LTR195 + SMA-male |
| 18104-002 | MiMo5G-4 4 x LTR195 + SMA-male |

PACKAGING INFORMATION

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|------|--|
| Type | Tube |
| Size | MiMo5G-2: Ø60 x 555 MiMo5G-4: Ø60 x 950 |

Datasheet

