MULTIBAND CELLULAR MIMO ANTENNA

MiMo5G

00 PRODUCT DESCRIPTION

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





01 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

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01 ELECTRICAL SPECIFICATIONS

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

02 MECHANICAL SPECIFICATIONS

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





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02 MECHANICAL SPECIFICATIONS

CONNECTOR	SMA-male (Other types available on request)
CABLE	Approx. 1.0 m LTR195
INGRESS PROTECTION	IP65
SERIAL NO.	On product label

03 ORDERING INFORMATION

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

04 PACKAGING INFORMATION

TYPE	Tube
SIZE	MiMo5G-2: Ø60 x 555 / MiMo5G-4: Ø60 x 950

MiMo5G-2



MiMo5G-4



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