

connecting the future



## MFA 627 mast amp,2 inp,700 MHz

Article number: 340527

### Product description:

Mast amplifiers for LTE 700 & 800 MHz - 24 VDC

TRIAX mast electronics includes easy-to-mount high performance range of mast amplifiers w/ F-connectors. The MFA range are multiband amplifiers featuring 1-2-3 inputs and 1-2 outputs; as well as cut off channels Ch 49...69 & Ch 60...69

- Powered by 24 VDC
- LTE protected (700 & 800 models)
- Higher output level
- High shielding
- Corrosion resistant
- Flip/lock mechanism for easy installation
- Neoprene soft cable grip
- Weatherproof housing
- Supplied w/ F-connector tool
- RF shielded & CE approved (EN50083)

### Specifications

ORDER INFORMATION

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| EAN Number                      | 5702663405271                              |
| CHARACTERISTICS                 |                                            |
| Type                            | Amplifier - mast                           |
| Max. Output level (@ -60dB IMD) | 108 dB $\mu$ V                             |
| FREQUENCY                       |                                            |
| Input 1 - frequency             | 174...230 / 470...694 MHz                  |
| Input 1 - band                  | BIII(DAB) + UHF                            |
| Input 1 - channels              | 5...12 / 21...48                           |
| Input 2 - frequency             | 87...108 MHz                               |
| Input 2 - band                  | BII                                        |
| Input 2 - channels              | FM                                         |
| LTE protection                  | @ 700Mhz                                   |
| GAIN                            |                                            |
| Input 1 - gain                  | 20...35 dB                                 |
| Input 1 - noise figure          | 2.5 (@174...230MHz) 2.0 (@470...694Mhz) dB |
| Input 2 - gain                  | 12...22 dB                                 |
| Input 2 - noise figure          | 2.5 dB                                     |
| LOSS                            |                                            |
| Rejection @ 714 MHz (Ch. 51)    | 17.0 (@gain=30dB) dB                       |
| RETURN LOSS                     |                                            |
| Return Loss                     | 10 dB                                      |
| ELECTRICAL                      |                                            |
| Impedance                       | 75 $\Omega$                                |
| OPERATIONAL                     |                                            |
| LED indicator                   | Green                                      |
| DC Operating voltage            | 24 VDC                                     |
| DC Current consumption          | 43 mA                                      |
| CONNECTORS                      |                                            |
| Number of inputs                | 2                                          |
| Number of outputs               | 1                                          |
| Connector Type                  | F-female                                   |

|                  |                            |
|------------------|----------------------------|
| MECHANICAL       |                            |
| Product Height   | 115 mm                     |
| Product Depth    | 60 mm                      |
| Product Width    | 137 mm                     |
| Colour           | RAL 7016 - Anthracite grey |
| Packing QTY      | 1                          |
| Packaging Height | 0,060 m                    |
| Packaging Width  | 0,120 m                    |
| Packaging Depth  | 0,140 m                    |
| Packaging Volume | 0,001 m3                   |
| Net Weight       | 0,290 kg                   |
| Tara Weight      | 0,040 kg                   |
| Total Weight     | 0,330 kg                   |