

Active receiver multicoupler for UHF band (380-470MHz) in two sub bands with integrated bandpass filter.

Passive Band Pass filter designed to pass 3 to 5MHz bandwidth with 2dB pass loss.

Compact system design in a 1.5U 19" rack design for up to 8 channels and 2U for 16 channels.

High dynamic range amplifier with very low Noise Figure of less than 3dB.

High isolation of over 20dB between receiver output ports.

Low RF output power imbalance between ports.

Strong RF input capability.

100-240V AC mains input and 12-24V DC input.

Automatic change over from AC to DC power and vice versa in case of either power input failure.

Separately fused AC power and front panel mounted DC fuse.

Amplifier power "On" LED on front panel for easy status check.

N-Type input and output connectors, other types available on request.

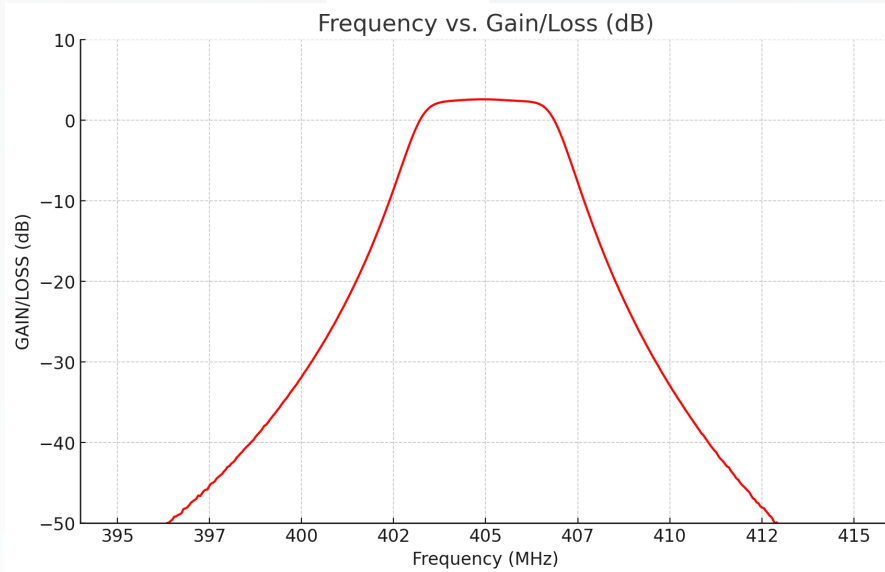
Mavitek blue or customer RAL code electrostatic powder painted front panel with anodized aluminum casing.

Order Designation

| Channel / Freq | Order Part Number |
|-----------------------|-------------------|
| 2 Channel 380-430MHz | MMC2 FU1 |
| 2 Channel 420-470MHz | MMC2 FU2 |
| 4 Channel 380-430MHz | MMC4 FU1 |
| 4 Channel 420-470MHz | MMC4 FU2 |
| 8 Channel 380-430MHz | MMC8 FU1 |
| 8 Channel 420-470MHz | MMC8 FU2 |
| 16 Channel 380-430MHz | MMC16 FU1 |
| 16 Channel 420-470MHz | MMC16 FU2 |

Specifications

| | |
|---|---|
| Frequency Range | 380-430MHz 420-470MHz |
| Amplifier Noise Figure | <3dB |
| Number of Channels | 2 / 4 / 8 / 16 |
| Insertion Loss or Nominal Gain (At each output port, tolerance ± 1 dB) | 0 to +3dB set at the time of order |
| Isolation Output to Output | >20dB |
| Nominal Impedance | 50 Ohms |
| Input SWR | <1.5:1 |
| Output SWR | <1.5:1 |
| Mains Supply Voltage | 100-240V AC |
| DC Supply Voltage | 12-24V DC |
| RF Connectors | Standard; Female N-Type (Others available optionally) |
| Mounting | 19" Rack 1.5U height (2U for 16ch) |
| Weight (approx.) | Between 2.8 to 4.2kg depending on number of channels |
| Temperature Range | Between -30° and +60°C |
| Max Humidity | 90% @ 30°C |
| 3 rd order intercept point | Better than 33dBm |



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