

Active receiver multicoupler for VHF band (136MHz to 174MHz) in three sub bands with integrated bandpass filter.

Front panel user adjustable insertion loss or nominal gain between 0 to +3dB.

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.

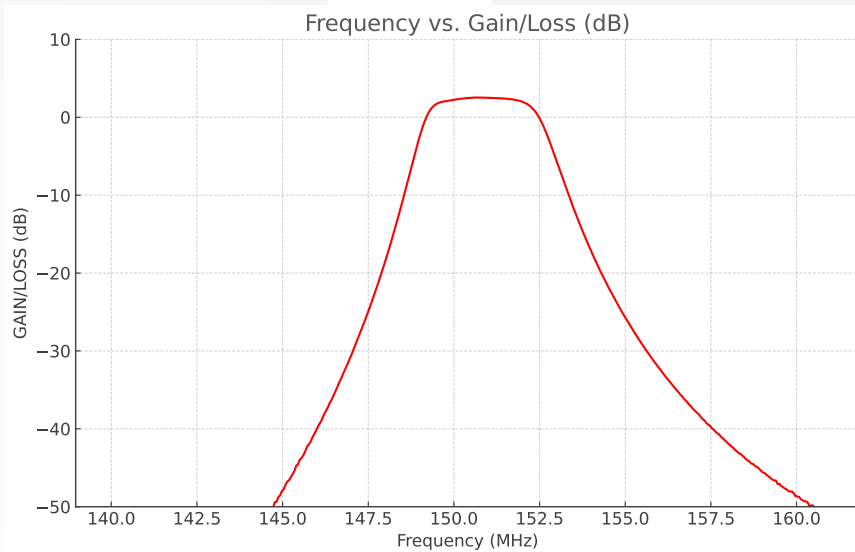
N-Type input and output connectors, other types available on request.

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

Order Designation	
Channel / Freq	Order Part Number
2 Channel 136-150MHz	MMC2 AG FV1
2 Channel 148-162MHz	MMC2 AG FV2
2 Channel 160-174MHz	MMC2 AG FV3
4 Channel 136-150MHz	MMC4 AG FV1
4 Channel 148-162MHz	MMC4 AG FV2
4 Channel 160-174MHz	MMC4 AG FV3
8 Channel 136-150MHz	MMC8 AG FV1
8 Channel 148-162MHz	MMC8 AG FV2
8 Channel 160-174MHz	MMC8 AG FV3
16 Channel 136-150MHz	MMC16 AG FV1
16 Channel 148-162MHz	MMC16 AG FV2
16 Channel 160-174MHz	MMC16 AG FV3

### Specifications

Frequency Range	136-150MHz 148-162MHz 160-174MHz
Amplifier Noise Figure	<3dB
Number of Channels	2 / 4 / 8 / 16
Insertion Loss or Nominal Gain (At each output port, tolerance $\pm 1$ dB)	0 to +3dB user adjustable
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 <sup>rd</sup> order intercept point	Better than 33dBm



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