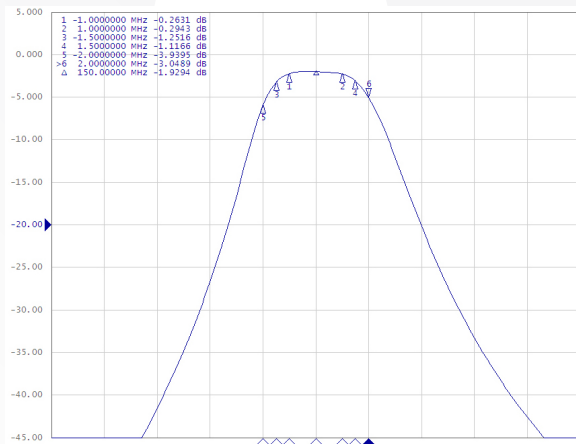




Active receiver multicoupler for VHF band (136MHz to 174MHz) in two sub bands.  
Passive Band Pass filter designed to pass 2MHz bandwidth with 2dB pass loss.  
Complete system in a 1U 19" rack (2, 4, 8 Channels) and 2U 19" rack (16 Channels).  
High dynamic range amplifier with very low Noise Figure of less than 3dB, typically 1dB to 1.6dB for best S/N ratio.  
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 12V or 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 checking.  
"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.

## Specifications

Frequency Range	136-160MHz or 156-174MHz
Amplifier Noise Figure	<3dB
Number of Channels	2 / 4 / 8 / 16
Insertion Loss or Nominal Gain (At all outputs)	0 to +3dB adjustable
Isolation Output to Output	>20dB
Nominal Impedance	50 Ohms
Input SWR	<1.5dB
Output SWR	<1.5dB
Mains Supply Voltage	100-240V AC
DC Supply Voltage	12V DC or optional 24V DC
RF Connectors	Standard; Female "N" Type (Specify at the time of order)
Mounting	19" 1.5U Height (16 Ch. 2U) Rack
Weight (approx.) 2/4/8/16 Ch.	
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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