

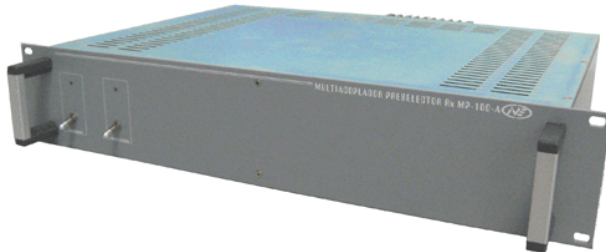


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PRE-SELECTOR MULTICOUPLER MODEL MP-100-A



- This MP-100-A Multicoupler can connect up to 8 receivers to only one antenna in the range of 400KHz to 30MHz.
- It can incorporate a pre-selector filter that can be activated at will, even from the distance.
- Frequency range of 400KHz to 30MHz.
- Input impedance 50Ω.
- Output insulation / better output of 30dB.
- 2^o order intermodulation Ip2 = 50dBm.
- 3^o order intermodulation Ip3 = 30dBm.
- Power supply 220VAC, 50/60 Hz.
- Range temperature -20°C to +55°C.

The MP-100-A pre-selector multicoupler is destined, with no losses, one receiver antenna to eight H.F. receivers in the range of 0.4 to 30 MHz with no noticeable interaction between them. It also has an amplifier of high intercept point of third order (low intermodulation), for compensating the losses originated in the pre-selector input filter and the distributor of 1 to 8 outputs.

*8 receivers
to only
one antenna*

PRE-SELECTOR MULTICOUPLER MODEL MP-100-A

TECHNICAL CHARACTERISTICS

GENERAL SPECIFICATIONS

Frequency range	400 KHz - 30 MHz
Input/Output impedance	50Ω.
Input connectors	N Female.
Number of antenna inputs	1
Number of receivers output	8
Max. Input/Output R.O.E.	2:1
Input/Input insulation	Better than 30dB.
Output/Input insulation	Better than 25dB.
Noise figure	10dB maximum.
Insertion gain	3dB ± 3dB.
2nd order intermodulation	Ip2 = 50dBm.
3rd order intermodulation	Ip3 = 30dBm.
Input protection	30Vrms.
Static electricity	Solid state Unloader.
Other protections	Fuse for R.F.

PRE-SELECTOR SPECIFICATIONS

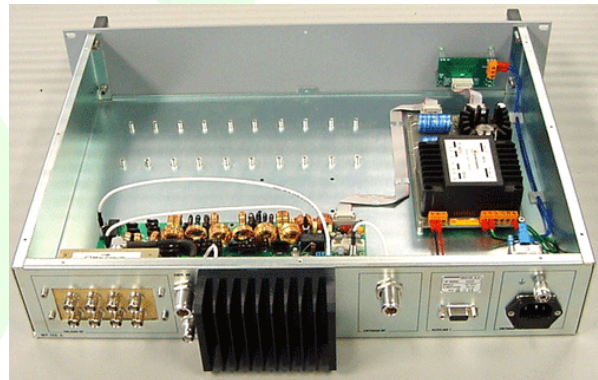
Connection/disconnection	Frontal key
Simultaneous receiver passbands with connected pre-selector (specified by user):	450 - 513 KHz 2.045 - 3.300 KHz
Or:	450 - 513 KHz 2.045 - 6.300 KHz



Simultaneous receiver passbands with disconnected pre-selector	400 KHz to 30 MHz
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POWER SUPPLY

Power supply	115/220 Vac.
Maximum consume	60w.



MECHANICAL SPECIFICATIONS

Height	88 mm (2U).
Width	482.5 mm (19").
Depth	305 mm (12").
Weight	5 Kg.
Finish	RAL 7001/RAL 7031
Serigraphy	Black / White

NOTE:

It can also include internally a Notch filter (excluded band) to attenuate some not desired frequencies inside the band, according to what the user requires.