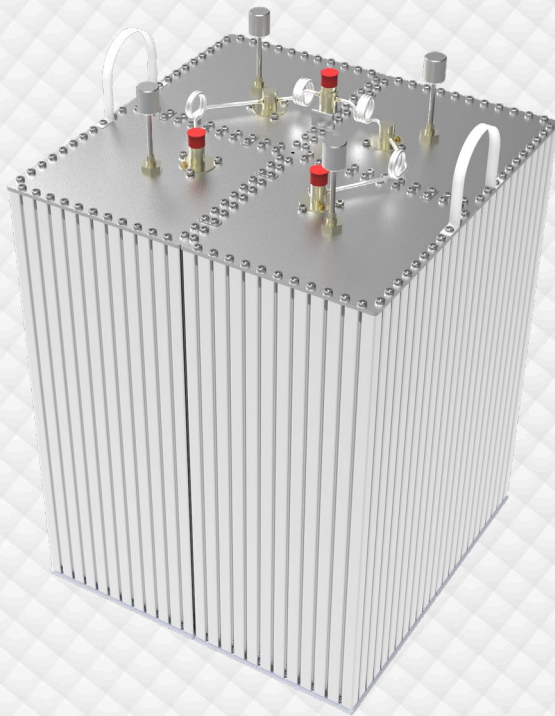


# DVMAX-4

## DUPLEXER FILTER PASS AND REJECTS BAND VHF 4 CAVITIES OF 8"

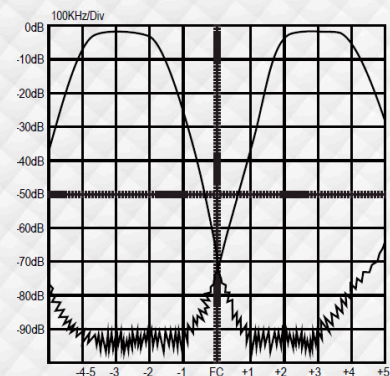
| Partnumber | Model   | Range         |
|------------|---------|---------------|
| 505010     | DVMAX-4 | 144 / 174 MHz |



The DVMAX-4 duplexer was designed to meet the most demanding selectivity, power capacity and very low attenuation specifications required by analog and digital repeater systems using DMR, P25/APCO 25, TDMA Phase I e II technology, among others.

Its 8" cavities each have twice the selectivity of other devices available on the market and, therefore, the equipment has incomparable isolation characteristics between Tx and Rx.

Given the lower number of cavities, to obtain the minimum legal separation (offset) between Tx and Rx, the DVMAX-4 easily presents half the attenuation of similar products.



| ELECTRICAL SPECIFICATIONS |                       |
|---------------------------|-----------------------|
| VSWR                      | $\leq 1,3 : 1$        |
| Nominal impedance         | 50 $\Omega$           |
| Maximum power             | 350 Watts             |
| Max insertion loss        | $\leq 0,8$ dB         |
| Temperature range         | -30~60°C              |
| Separation ( minimum )    | between 0,5 and 5 MHz |
| Connector                 | N female              |
| Min. TX / RX isolation    | 90 dB                 |
| Min. RX / TX isolation    | 90 dB                 |

| MECHANICAL SPECIFICATIONS |                   |
|---------------------------|-------------------|
| Broad                     | 470 mm            |
| Maximum length            | 470 mm            |
| Height                    | 750 mm            |
| Weight                    | 25 Kg             |
| Finishing                 | Polished          |
| Basic material            | Extruded aluminum |