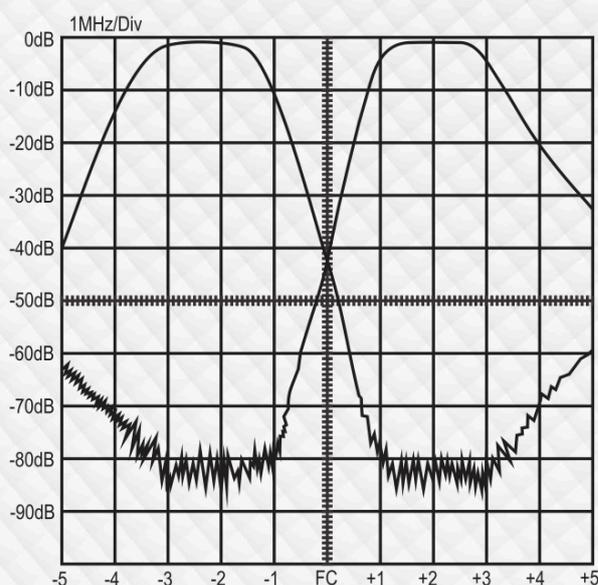


# FDV-4

## DUPLEXING FILTER PASS AND REJECT VHF BAND

Partnumber	Model	Range
505290	FDV-4A	130 / 148 MHz
505295	FDV-4B	148 / 174 MHz
505300	FDV-4C	220 / 270 MHz



The FDV-4 is a four-cavity duplexer for application in fixed radio communication systems.

With low insertion loss, high selectivity and excellent offset rejection, this duplexer is especially recommended for high traffic communication systems.

Its coaxial connectors and resonators are silver plated, thus presenting low noise levels and allowing maximum performance from your systems.

The adjustment rods are manufactured from special metal alloys and the resonant cavities are chemically treated to ensure excellent mechanical robustness and optimum thermal stability.

### MECHANICAL SPECIFICATIONS

Width	110 mm
Maximum lenght	440 mm
Height	750 mm
Weight	10,640 Kg
Finishing	Polished
Basic material	Extruded aluminum

### ELECTRICAL SPECIFICATIONS

VSWR	$\leq 1,5 : 1$
Nominal impedance	50 $\Omega$
Maximum power	150 Watts
Max. insertion loss	$\leq 1,2$ dB
Temperature range	-30~60°C
Separation (minimum)	1,2 MHz
Termination	N female
Min. TX / RX isolation	> 80 dB
Min. RX / TX isolation	> 80 dB

NOTA: Information based on code 505290.