

HORWIN DF-U4-5

HORWIN DF-U4-5 - is a bandpass/reject type UHF duplex filter based on four quarter-wave 5 inches width square cavities. Duplexer allows the simultaneous operation of the transmitter and receiver into a single antenna. Using large 5" cavities provides very high (quality), resulting in very close frequency spacing and low insertion losses.

The cavity design provides excellent frequency stability in a temperature range from - 30 to + 60°C. Each filter is individually made and tuned, so receive and transmit frequencies should be specified when ordering.



	DF-U4-5
Cavity size	1/4λ, 5"
Frequency range, MHz	400 – 470
Min. duplex frequency spacing, kHz	2000
Max. continuous power input, W	150
Insertion loss, db	< 1.5
Tx noise suppression on Rx frequency, dB	> 75
Rx isolation on Tx frequency, dB	> 85
Nominal impedance, Ohm	50
VSWR	< 1.5
Temperature range, °C	-30 ... +60
Dimensions (H x W x D), mm (with rod extended)	400x260x260
Weight, kg	6.5

