



RTD70-V45 is a band pass/reject type UHF duplex filter based on four quarter wave 5 inches width square cavities. Duplexer allows simultaneous operation of 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 temperature range from - 30 to + 60°C. Each filter is individually made and tuned, so receive and transmit frequencies should be specified when ordering.



SPECIFICATIONS

ELECTRICAL	
Cavity size	1/4 , 5"
Frequency Range	380-512 MHz
Min. duplex frequency spacing	2000 KHz
Max. continuous power input	150 W
Insertion loss	< 1.5 dB
Tx noise suppression on Rx frequency	> 75 dB
Rx isolation on Tx frequency	> 85 dB
Nominal impedance	50
VSWR	< 1.5
Connector	N (female)
Temperature range	-30 ~ +60 °C
Dimensions (H x W x D)	400x260x260 mm
Weight	6.5 Kg

