



## Band Reject Duplexers

### REX 2xxx



#### Description

REX 2000 series Band Reject Duplexers uses six Helical Resonators housed in extruded Aluminium cavities offering High 'Q' interconnected resonant cavities.

#### Typical Tx to Rx frequency separation are:

2.5 MHz in the range of 60-90 MHz  
 4.0 MHz or more in 132-174 MHz  
 5.0 MHz or more in 400-520 MHz band

Notch Pass Bandwidths from 50 KHz to 1 MHz wide are custom built. Semi-rigid coaxial cables are used in UHF and higher frequency bands to offer high Tx to Rx isolation. Field tuning is accomplished with silver plated tuning screws in the rear of the unit. The entire unit is given a coat of epoxy paint for additional protection.

#### Features

- Option of wide frequency range 60-1300 MHz in different frequency bands.
- Compact & Rugged design for use in Mobile Environments.
- Excellent Electrical characteristics.
- Extreme temperature working conditions – 30 to + 60 deg C
- Choice of connectors BNC, TNC, N, UHF



#### Application

These Duplexers are most commonly deployed in mobile Full Duplex Radios, Base Stations with Digital or Analog Radios, Repeaters in Systems for continuous Full 50 Watts.

### BAND REJECT (NOTCH TYPE) VHF /UHF COMPACT MOBILE DUPLEXERS

Model No.	Freq. Band (MHz)	Min. Tx / Rx Split (MHz)	Insertion Loss Max. (dB)	Isolation Min (dB)	Return Loss Min (dB)	'Z' (Ω)	Power (Watts) *	Dimensions (HxWxD) mm
REX 2066	66~77	2.5	1.2	75	18	50	50	32x154x112
REX 2077	77~88	2.5	1.2	75	18	50	50	32x154x112
REX 2132	132~144	4.0	1.2	75	18	50	50	32x154x101
REX 2148	148~160	4.0	1.2	75	18	50	50	32x154x101
REX 2150	150~166	4.0	1.2	75	18	50	50	32x154x101
REX 2152	152~174	4.0	1.2	75	18	50	50	32x154x101
REX 2157	157~174	4.0	1.2	75	18	50	50	32x154x101
REX 2250	245~260	8.0	1.2	75	18	50	50	32x154x112
REX 2400	400~420	5.0	1.2	80	18	50	50	32x154x99
REX 2450	450~470	5.0	1.2	80	18	50	50	32x154x99
REX 2470	470~500	5.0	1.3	75	18	50	50	32x154x99
REX 2500	500~520	5.0	1.2	80	18	50	50	32x154x99
REX 2820	820~870	45.0	1.2	75	18	50	50	32x154x86
REX 2850	850~940	76.0	1.2	75	18	50	50	32x154x86
REX 21200	1271~1291	18.0	1.2	75	18	50	50	32x154x115

\* For 25 watts continuous or 50 watts intermittent power. Models also available for full 50 watts continuous duty cycle.

Optional Frequency band, Tx-Rx Splits, Power Ratings are available on request as custom built.