



The use of Duplexers can permit single antenna working for transmit and receive, reducing the number of antennas and tower loading. This closely matches receive and transmit coverage due to the identical antenna pattern. DrawCom's silver plated combine filters offer excellent intermodulation performance. This is critical to system operation, since duplexers are used on both transmit and receive ports of a base station.

Standard versions are available for either wall or 19" rack mounting. These products can also be repackaged to fit particular requirements, for example, where space is at a premium.

- Low insertion loss
- Good TX/RX isolation
- Compact design
- IM3 <-110dBm
- Bandstop or Bandpass function

Duplexers

Selection Guide: VHF Duplexers			
Part No.		16-002911	16-073101
Passband	TX	154-156 MHz	166-166.8 MHz
	RX	160-162 MHz	171-171.6 MHz
Insertion Loss	TX	2.0 dB max	1.8 dB typical
	RX	2.0 dB max	1.8 dB typical
Rejection	TX	160-162 MHz > 60 dB	166-166.8 MHz > 75 dB
	RX	154-156 MHz > 60 dB	171-171.6 MHz > 75 dB
Power Rating	TX	100 Watt	100 Watt
	RX	100 Watt	100 Watt
Impedance		50 ohm	50 ohm
VSWR		Better than 1.2:1	Better than 1.2:1
Connectors		BNC female	N type female

Selection Guide: UHF Duplexers			
Part No.		16-014901	16-073101
Passband	TX	426-428 MHz	439.8-441.8 MHz
	RX	416-418 MHz	449.8-451.8 MHz
Insertion Loss	TX	2.0 dB typical	1.5 dB typical
	RX	2.0 dB typical	1.5 dB typical
Rejection	TX	416-418 MHz > 70 dB	439.8-441.8 MHz > 80 dB
	RX	426-428 MHz > 70 dB	449.8-451.8 MHz > 80 dB
Power Rating	TX	50 Watt	250 Watt
Impedance		50 ohm	50 ohm
VSWR		Better than 1.2:1	Better than 1.2:1
Connectors		N type female	N type female