

COUPLERS

27-960 MHz

Comprod is a leader in the design of RF filtering and coupling devices. The following are the specifications for couplers and tuners required as part of a Disguised Antenna solution.

Broadcast couplers - allow AM-FM broadcast receiver operation along with normal two-way mobile radio operation.

Crossband couplers - allow mobile radios on two different bands to operate with a single disguised antenna.

Broadcast Coupler Specifications

Model Number	Frequency Range	Insertion Loss		Max Power	Minimum Isolation
		Mobile	AM-FM / RX		
444-75	27-54 MHz	0.15 dB	1.5 dB	150 Watts	35 dB
445-75	138-174 MHz	0.15 dB	1.5 dB	150 Watts	35 dB
446-75	406-512 MHz	0.15 dB	1.5 dB	150 Watts	35 dB
447-75	764-960 MHz	0.20 dB	0.5 dB	50 Watts	40 dB

Crossband Coupler Specifications

Model Number	Frequency Range		Insertion Loss	Minimum Isolation
	Low Pass	High Pass		
485-75	138-174 MHz	406-512 MHz	0.3 dB	50 dB
486-75	30-50 MHz	138-174 MHz	0.3 dB	35 dB
487-75	138-174 MHz	806-960 MHz	0.3 dB	35 dB