

CDMA Duplexer



K & L Microwave model WSD-00179 is a high performance Japanese Band CDMA duplexer offering low insertion loss and excellent selectivity in a small size. The unit's applications include filtering for Pico, Micro and Macrocell base station installations, as well as general-purpose handset or equipment test systems.

The WSD-00179 is configured with a transmit pass band of 832 to 870 MHz and a receive pass band of 887 to 925 MHz and features 1.5 dB maximum insertion loss and 15 dB minimum return loss within each pass band. The unit offers channel-to-channel isolation of 70 dB minimum, with transmit to antenna rejection of 20 dB minimum from DC to 810 MHz, 70 dB minimum from 887 to 925 MHz and 50 dB minimum from 925 to 2775 MHz. Antenna to receive rejection is specified at 70 dB minimum from DC to 870 MHz and 50 dB minimum from 1000 to 2775 MHz. Transmit pass band power handling is rated at 25 watts CW and 500 watts peak instantaneous (PIP). The unit measures a small 4.65 inches L × 4.20 inches W × 2.75 inches H, excluding type N - F connectors. The operating temperature range is from 0 ° to +50 ° C.

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