



K&L Microwave
2250 Northwood Drive
Salisbury, Maryland 21801
Phone: 410-749-2424
Fax: 443-260-2268



Wireless Duplexer Assemblies

K&L Microwave introduces a line of Antenna Duplexer Assemblies. These assemblies utilize K&L's state-of-the-art filter design expertise. The duplexers are combined in a single assembly providing high-power transmit filtering, extended stopband to 12.5 GHz, and high accuracy power monitoring. The receive side filtering includes a dual gain LNA. The filter and LNA have total noise figure as low as 2.0 dB, while maintaining an output intercept point over 40 dBm.

All assemblies include isolated DC/DC converters with hot-swap protection. LNAs are designed in a redundant hybrid configuration for high reliability. An internal microcontroller provides LNA current monitoring, fault detection, gain control, and antenna power monitoring with a 50 dB dynamic range. All microcontroller functions are controlled through a CAN-bus interface, which also queries assembly manufacturing information and factory-tested RF performance data.

Current assemblies are offered in Tetra, Amps, PCS, AWS*, WCS*, and MMDS* frequency bands. (* Assemblies in these frequency bands are offered in a dual duplexer configuration.)

For further information and performance data, please contact K&L Microwave.

www.klmicrowave.com

USA: 410-749-2424 * sales@klmicrowave.com * UK: 44-(0)-1603-723376 * sales@kleurope.com