

Duplexers

Each Duplexer is housed in either a copper or aluminium housing with either helical or TEM coaxial resonators. Avantel Duplexers use compact high Q helical resonant cavities for low frequency bands. Coupling between sections is accomplished through shielded coaxial transmission lines, which are optimized for rejection across each filter's range. At higher frequency bands, tunable TEM coaxial resonators are used and coupling is achieved through adjustable aperture between resonators. These are basically bandpass type filters. Computer Aided Design and CNC machining process have helped these filters to achieve small size, repeatability and reliability. The filter size can be optimized for high performance applications. Duplexing is typically accomplished through a simple Tee-junction.

Salient Features of Duplex Filters:

- Low Insertion Loss.
- High Return Loss.
- Sharp Rejection.
- High Isolation.
- Low/High power applications.
- Economical and custom Built designs.
- Very stable performance over entire specified temperature range.
- Compact and rugged construction.

Model No.	Tx. Freq. (MHz)	Rx. Freq. (MHz)	Insertion Loss (dB) (max.)	Return Loss (dB) (min.)	Tx. / Rx. Isolation (dB) (min.)	Unit Price*
ADF-1060 (2KW)	1030	1090	1.2 / 1.0	19.0	60	\$700
ADF-900	890 - 915	935 - 960	2.0 / 2.0	18.0	70	\$340
ADF-1800	1710 - 1785	1805 - 1880	2.0 / 2.0	18.0	60	\$360

*Prices are ex-works Hyderabad, India. Prices are subjected to change without notice.

Note: "For Specific requirements please contact our sales dept".
Minimum order value \$ 1000.

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