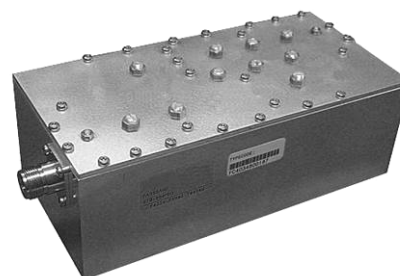


CY080V1

EGSM900 Dual Duplexed Rx Filter



The **CY080V1** is a combine, bandpass integrated dual duplexed receive filter designed for use in the EGSM900 frequency band. The unique characteristics of this filter are its very high selectivity and small physical size. Combined, these attributes provide the cellular network operator with the most cost-effective solution available where EGSM900 band filtering is required. The **CY080V1** is commonly used where it is necessary to filter unwanted carrier frequencies introduced where transmit antennas from both CDMA800/TDMA/AMPS and EGSM900 services are co-located on the same mast.



TECHNICAL CHARACTERISTICS

(F1 Frequency Passband Specifications)

Rx1 Channel

Passband.....	880.1 – 887.9 MHz
Insertion Loss	
882 – 887.9 MHz.....	0.7 dB Typ
882 – 887.9 MHz.....	1.0 dB Max
880.1 - 882 MHz.....	1.6 dB Typ
880.1 - 882 MHz.....	3.4 dB Max
Return Loss	
882 – 887.9 MHz.....	17.0 dB Min
880.1 - 882 MHz.....	15.0 dB Min

Rx2 Channel

Passband.....	904.9 – 914.9 MHz
Insertion Loss.....	0.65 dB Max
Return Loss.....	17.0 dB Min

Rejection

869 – 879 MHz.....	30.0 dB Min
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Connectors.....	2 x N (f)
Dimensions.....	140 L x 135 W x 81 H mm Approx (including tuning screws, excluding brackets & connectors)
Temperature Range.....	+10°C to + 40°C
Environment.....	Indoors
Finish.....	Silver Plated Aluminium, Unpainted
Weight.....	2.5 kg Approx