

Duplexer for GSM 1800Mhz

Model : PW-DF-1775-10/1870-10

Description :

PW-DF-1775-10/1870-10 is a filter for use on GSM 1800 Mhz which able to separate Transmit & Receive Channel with minimum insertion loss and high OUT-BAND Rejection. All Pacific Wave Filter are temperature compensated which ensures full performance over the operation temperature Range (-20 till +70 Celsius).

Product Advantages :

Compact Design, High Performance and Flexible Mounting Option.
Integrated and Low Passive Inter-modulation Product Compact with Indoor Rated Design.
High Selective Filter with Low Insertion Loss and Reliable Technical Performance.

Technical Specification :

Parameter	Unit	Rx	Tx
Frequency Range	MHz	1775 - 1785	1870 - 1880
Band-width	MHz	10	10
IL at BW	dB	≤ 1.0	≤ 1.0
Ripple at BW	dB	≤ 0.6	≤ 0.6
Rejection	dB	>90dB @DC-1695 >60dB @1695-1735 >15dB @1735-1765 >15dB @1830-1870 >60dB @1870-1910 >90dB @1910-2110 >60dB @2110-3800	>90dB @DC-1790 >60dB @1790-1830 >15dB @1830-1860 >15dB @1890-1920 >60dB @1920-1960 >90dB @1960-2160 >60dB @2160-3800
Isolation	dB	≥ 90 @Tx	≥ 90 @Rx
In/Out Impedance	Ohm	50	
Power Handling	Watt	100	
Connectors		N-Female or DIN-Female	
Return Loss	dB	≥ 20	

PIM	dBc	$\leq -140@2 \times +43\text{dBm}$
Dimensions	mm	337*117*50 for Wall Mounted
Weight	Kg	1.5
Temperature Range	°C	-20 ~ +70

Outline Drawing :

