

## Duplexer for UMTS 2100Mhz

Model : PW-DF-1920-10/2110-10

### Description :

PW-DF-1920-10/2110-10 is a filter for use on UMTS/WCDMA/3G which able to separate Downlink Channel & Uplink 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 (-10 till +65 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.

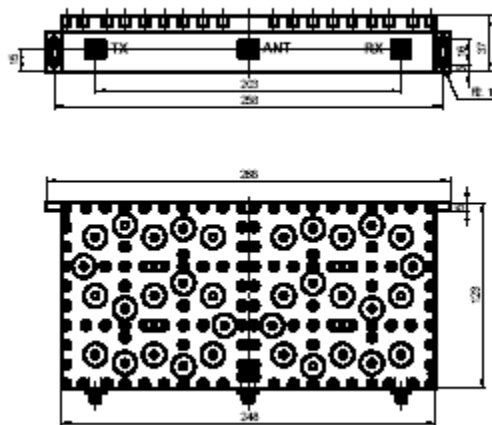
### Technical Specification :

Parameter	Unit	Rx	Tx
Frequency Range	MHz	1920 – 1930	2110 – 2120
Band-width	MHz	10	10
IL at BW	dB	≤1.1	≤1.1
Ripple at BW	dB	≤ 0.6	≤ 0.6
Return loss at BW	dB	18	18
Rejection	dB	≥ 90 @DC - 1800 Mhz ≥ 90 @1800-1840 Mhz ≥ 60 @1840-1880 Mhz ≥ 15 @1880-1910 Mhz ≥ 15 @1940-2020 Mhz ≥ 60 @2020-2060 Mhz ≥ 90 @2060-2170 Mhz ≥ 80 @2170-3800 Mhz ≥ 60 @3800-12.75Ghz	≥ 90 @DC - 1920 Mhz ≥ 90 @1920-2030 Mhz ≥ 60 @2030-2070 Mhz ≥ 15 @2070-2100 Mhz ≥ 15 @2130-2210 Mhz ≥ 60 @2210-2250 Mhz ≥ 90 @2250-2400 Mhz ≥ 80 @2400-3800 Mhz ≥ 60 @3800-12.75Ghz
Isolation	dB	≥ 90 @Tx	≥ 90 @Rx
In/Out Impedance	Ohm	50	
Power Handling	Watt	100	

Connectors	Type	SMA-Female or N-Female or DIN-Female
Return Loss	dB	$\geq 20$
PIM	dBc	$\leq -140 @ 2x+43dBm$
Dimensions	mm	337 x 117 x 50 for Wall Mounted
Temperature Range	°C	-10 ~ +65

### Outline Option :

#### A. Wall Mounted



#### B. 19" Rack Mounted

