

## Cavity Diplexer

### Preliminary Specifications

Serial	Parameters	P1	P2
1	Center Frequency(F0)	725.5MHz	780.5MHz
2	Pass Band Frequency	703 ~ 748MHz	758 ~ 803MHz
3	Pass Band Insertion Loss	≤0.8dB	≤0.8dB
4	Pass Band Ripple	≤0.5dB	≤0.5dB
5	Pass Band Return Loss	≥18dB	≥18dB
6	Isolation	≥35dB @ 703 ~ 748MHz , 758 ~ 803MHz	
7	Impedance	50 Ohms	
8	Power	CW: 10W ; Peak: 100W	
9	Connectors	ANT: N-Female ; P1 , P2: SMA-Female	
10	Surface Finish	Painted Black	
11	Port Sign	Port 1: ANT ; Port 2: P1 ; Port 3:P2	
12	Temperature Range	-30°C ~ +70°C	
13	Dimensions	Approx: 161*161*42mm	
14	Net weight	TBD	