

## PRODUCT SPECIFICATION FOR INFORMATION

**CUSTOMER : Microwave Solutions Inc.**  
**PRODUCT NAME : CAVITY DUPLEXER TYPE**  
**PROJECT : CD3525/50SK-C4**  
**PART No. : MCD-3475/3575-50DJM**

1. Electrical Specifications		
	Ch1(J1)	Ch2(J2)
Frequency Range	3450 MHz ~ 3500 MHz	3550 MHz ~ 3600 MHz
Bandwidth	50 MHz	50 MHz
Pass Band Insertion Loss	1.1 dB (Max)	1.1 dB(Max)
Group Delay	40 nsec (Max)	40 nsec(Max)
Pass Band Ripple	0.5dB (Max)	0.5dB(Max)
Pass Band Return Loss	1.32 : 1 (Max)	1.32 : 1 (Max)
Rejection(Min.)	60 dB (min) @ 3330 MHz 25 dB (min) @ 3400~3430 MHz 75 dB (min)@ 3550~3600 MHz	75 dB (min)@ 3450~3500 MHz 75 dB (min) @ 3360 MHz 10 dB (min) @ 3620 MHz 25 dB (min) @ 3630 MHz 65 dB (min) @ 3790 MHz 42dB (min) @7100~7200MHz 38 dB (min) @ 10650~10800 MHz
Isolation	75 dB (min)	
Impedance	50Ω	
RF Power Capability	20 W (CW signal)	
Peak Power during 10us	100W (min)	
Operating Temperature	-40 ~ +85	
2. Mechanical Specifications		
Connector Port	J1 port	SMA(f)
	J2, J3 port	SMA(f)
Dimension(W × D × H)(Max.)		4.50 " × 3.53 " × 1.15 " (W×D×H)

**NOTE:**

EQUIPMENT used : HP 8753E

**Dimension : MCD-3475/3575-50DJM**

