



# Specification

## Cavity Duplexer

Design	R & D	Approval
CYK	YHKW	EL

<b>Customer:</b>	<b>Date:</b> 12/03/10	<b>P/N:</b> DCC836-881-25D1
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Parameter	Unit	Low	High
Center Frequency.	MHz	836.5	881.5
Band Width	MHz	25 (824 ~ 849)	25 (869~894)
Insertion Loss	dB	1.2 max.	
Passband Ripple	dB	0.7 max.	
Return Loss	dB	18 min. : Port Ant ,Port Rx , Port Tx	
Attenuation	dB	60 min. @DC –750 MHz 10 min. @750 –800 MHz 85 min. , 90 typ @869 – 894 MHz 60 min. @894 – 2030 MHz 40 min. @2030 – 3700 MHz 30 min. @3700 – 4000 MHz	60 min. @DC – 824 MHz 85 min. , 90 typ @824 – 849 MHz 60 min. @915- 2030 MHz 40 min. @2030-3700MHz 30 min. @3700-4000 MHz
Isolation	dB	65 min. @DC –824MHz 85 min. , 90dB (typ) @824 – 849 MHz 85 min. , 90dB (typ) @869 – 894 MHz 65 min. @894 – 2030 MHz 40 min. @2030 – 3860 MHz 50 min. @3860 – 3980 MHz 40 min. @3980 – 4000 MHz	
Isolation (Antenna port load and open)	dB	50 min. , 55 typ. @ Cross-over point	
Vibration		Refernce Table 1	
Coupling (probe)	dB	36 ±2	
Temp. Range	°C	-33~ +80	
Connector Type	-	ANT N(F) ,Rx Tx out SMA(F)	
In/Out Impedance	Ω	50	
Input Power	W	30 max.	

**Dimensions**

