

CAVITY MULTIPLEXER

PART NO. : WV-8MUL-COM01

◆ APPLICATION

> 8 Multi Band System

◆ FEATURE

> High Reliability
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION							
Frequency Range	800 Services				GSM900			
Direction	UL		DL		UL		DL	
Frequency Range(MHz)	824~849		869~894		900~913		947~960	
Passband Insertion Loss	1.5dB Max		1.5dB Max		1.5dB Max		1.5dB Max	
Passband Ripple(P-P)	1.2dB Max		1.2dB Max		1.2dB Max		1.2dB Max	
Passband Return Loss	15dB Min		15dB Min		15dB Min		15dB Min	
Attenuation	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)
	-	-	824-849	80	824-849	80	824-849	80
	869-894	80	-	-	869-894	80	869-894	80
	900-913	80	900-913	80	-	-	900-913	80
	945-960	80	947-960	80	945-960	80	-	-
	1710-1785	80	1710-1785	80	1710-1785	80	1710-1785	80
	1805-1880	80	1805-1880	80	1805-1880	80	1805-1880	80
	1920-1980	80	1920-1980	80	1920-1980	80	1920-1980	80
	2110-2170	80	2110-2170	80	2110-2170	80	2110-2170	80

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ITEM	SPECIFICATION							
Frequency Range	GSM1800				UMTS			
Direction	UL		DL		UL		DL	
Frequency Range(MHz)	1710~1785		1805~1880		1920~1980		2110~2170	
Passband Insertion Loss	1.5dB Max		1.5dB Max		1.5dB Max		1.5dB Max	
Passband Ripple(P-P)	1.2dB Max		1.2dB Max		1.2dB Max		1.2dB Max	
Passband Return Loss	15dB Min		15dB Min		15dB Min		15dB Min	
Attenuation	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)
	824-849	80	824-849	80	824-849	80	824-849	80
	869-894	80	869-894	80	869-894	80	869-894	80
	900-913	80	900-913	80	900-913	80	900-913	80
	945-960	80	947-960	80	945-960	80	945-960	80
	-	-	1710-1785	80	1710-1785	80	1710-1785	80
	1805-1880	80	-	-	1805-1880	80	1805-1880	80
	1920-1980	80	1920-1980	80	-	-	1920-1980	80
	2110-2170	80	2110-2170	80	2110-2170	80	-	-

◆ GENERAL ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
IN/OUT Impedance	50[ohms]
Power	10W CW
Minimum Isolation between DL and UL ports within a service in the Center freq. between DL and UL	60dB critical
Attenuation in the band 100[MHz] to 800[MHz] in all ports to the common port (Antenna port)	50dB
Attenuation in the band 2220[MHz] to 2600[MHz] in all ports to the common port (Antenna port)	50dB

◆ ENVIRONMENTAL SPECIFICATION

ITEM	SPECIFICATION
Operating Temperature Range	-20℃ to +70℃

CAVITY MULTIPLEXER

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	230.0 x 220.0 x 93.0 (unit:mm)
Mounting Points	See Outline Drawing
RF Connector	ANT Port : N Female Long Connector Other Port : SMA Female Connector
Weight	Around 4.8Kg
Connector Position	See Outline Drawing
Finish	Black color epoxy coating

◆ OUTLINE DRWAING

