

# CAVITY MULTIPLEXER

## PART NO. : WV-8MUL-COM04

### ◆ APPLICATION

> 8 Multi Band System

### ◆ FEATURE

> High Reliability  
> **RoHS Compliant**

### ◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION							
	GSM				LTE			
Frequency Range	UL		DL		UL		DL	
Frequency Range(MHz)	890~915		935~960		832~862		791~821	
Passband Insertion Loss	2.0dB Max		2.0dB Max		2.0dB Max		2.0dB 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)
	-	-	890- 915	90	890- 915	90	890- 915	90
	935- 960	90	-	-	935- 960	90	935- 960	90
	832- 862	90	832- 862	90	-	-	832- 862	90
	791- 821	90	791- 821	90	791- 821	90	-	-
	1710- 1785	90	1710- 1785	90	1710- 1785	90	1710- 1785	90
	1805- 1880	90	1805- 1880	90	1805- 1880	90	1805- 1880	90
	1920- 1980	90	1920- 1980	90	1920- 1980	90	1920- 1980	90
	2110- 2170	90	2110- 2170	90	2110- 2170	90	2110- 2170	90

# CAVITY MULTIPLEXER

ITEM	SPECIFICATION							
	GSM1800				UMTS			
Frequency Range	UL		DL		UL		DL	
Frequency Range(MHz)	1710~1785		1805~1880		1920~1980		2110~2170	
Passband Insertion Loss	2.0dB Max		2.0dB Max		2.0dB Max		2.0dB 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)
	890-915	90	890-915	90	890-915	90	890-915	90
	935-960	90	935-960	90	935-960	90	935-960	90
	832-862	90	832-862	90	832-862	90	832-862	90
	791-821	90	791-821	90	791-821	90	791-821	90
	-	-	1710-1785	90	1710-1785	90	1710-1785	90
	1805-1880	90	-	-	1805-1880	90	1805-1880	90
	1920-1980	90	1920-1980	90	-	-	1920-1980	90
	2110-2170	90	2110-2170	90	2110-2170	90	-	-

## ◆ GENERAL ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
IN/OUT Impedance	50[ohms]
Power	20W CW

## ◆ ENVIRONMENTAL SPECIFICATION

ITEM	SPECIFICATION
Operating Temperature Range	-20°C to +70°C

## ◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	230.0 x 220.0 x 96.0 (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

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## ◆ OUTLINE DRAWING

