

CAVITY MULTIPLEXER

PART NO. : WV-10MUL-COM01

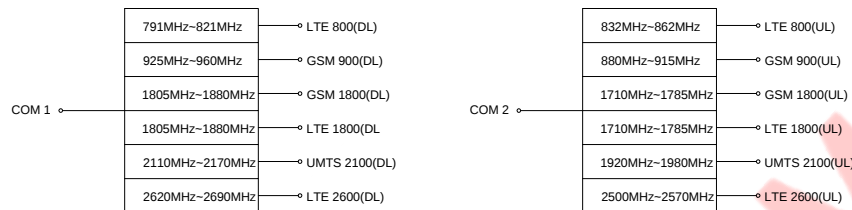
◆ APPLICATION

> 10 Multi Band System

◆ FEATURE

> High Reliability
> RoHS Compliant

◆ BLOCK DIAGRAM



◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION									
Frequency Range	LTE800				GSM900				GSM1800	
Direction	UL		DL		UL		DL		UL	
Frequency Range(MHz)	832~862		791~821		880~915		925~960		1710~1785	
Passband Insertion Loss	2.0dB Max		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		1.2dB Max	
Passband Return Loss	14dB Min		14dB Min		14dB Min		14dB Min		15dB Min	
Attenuation	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)
	-	-	832-862	50	832-862	50	832-862	50	832-862	50
	791-821	50	-	-	791-821	50	791-821	50	791-821	50
	880-915	50	880-915	50	-	-	880-915	50	880-915	50
	925-960	50	925-960	50	925-960	50	-	-	925-960	50
	1710-1785	50	1710-1785	50	1710-1785	50	1710-1785	50	-	-
	1805-1880	50	1805-1880	50	1805-1880	50	1805-1880	50	1805-1880	50
	1920-1980	50	1920-1980	50	1920-1980	50	1920-1980	50	1920-1980	50
	2110-2170	50	2110-2170	50	2110-2170	50	2110-2170	50	2110-2170	50
	2500-2570	50	2500-2570	50	2500-2570	50	2500-2570	50	2500-2570	50
	2620-2690	50	2620-2690	50	2620-2690	50	2620-2690	50	2620-2690	50

CAVITY MULTIPLEXER

ITEM	SPECIFICATION									
Frequency Range	GSM1800		UMTS2100				LTE2600			
Direction	DL		UL		DL		UL		DL	
Frequency Range(MHz)	1805~1880		1920~1980		2110~2170		2500~2570		2620~2690	
Passband Insertion Loss	2.0dB Max		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		1.2dB Max	
Passband Return Loss	15dB Min		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)	Freq. (MHz)	Atten [dB] (min)
	832-862	50	832-862	50	832-862	50	832-862	50	832-862	50
	791-821	50	791-821	50	791-821	50	791-821	50	791-821	50
	880-915	50	880-915	50	880-915	50	880-915	50	880-915	50
	925-960	50	925-960	50	925-960	50	925-960	50	925-960	50
	1710-1785	50	1710-1785	50	1710-1785	50	1710-1785	50	1710-1785	50
	-	-	1805-1880	50	1805-1880	50	1805-1880	50	1805-1880	50
	1920-1980	50	-	-	1920-1980	50	1920-1980	50	1920-1980	50
	2110-2170	50	2110-2170	50	-	-	2110-2170	50	2110-2170	50
	2500-2570	50	2500-2570	50	2500-2570	50	-	-	2500-2570	50
	2620-2690	50	2620-2690	50	2620-2690	50	2620-2690	50	-	-

◆ 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

CAVITY MULTIPLEXER

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	276.0 x 160.0 x 87.0 (unit:mm)
Mounting Points	See Outline Drawing
RF Connector	COM1,2 Port : N Female Connector Other Port : SMA Female Connector
Connector Position	See Outline Drawing
Finish	Black color epoxy coating

OUTLINE DRAWING

