

CAVITY MULTIPLEXER

PART NO. : WV-8MUL-COM05

◆ APPLICATION

> 8 Multi System Band System

◆ FEATURE

> High Reliability
> RoHS Compliant

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION							
Frequency Range	LTE 700M Upper C				850 CELLULAR			
Port	P1	P2		P3		P4		
Direction	UL	DL		UL		DL		
Frequency Range(MHz)	777~787	746~756		824~849		869~894		
Passband Insertion Loss	1.5dB Max	1.5dB Max		1.5dB Max		1.5dB Max		
Passband Ripple(P-P)	0.7dB Max	0.7dB Max		0.7dB Max		0.7dB 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)
			777-787	100	777-787	100	777-787	100
	746-756	100			746-756	100	746-756	100
	824-849	100	824-849	100	-	-	824-849	100
	869-894	100	869-894	100	869-894	100	-	-
	1850-1915	100	1850-1915	100	1850-1915	100	1850-1915	100
	1930-1995	100	1930-1995	100	1930-1995	100	1930-1995	100
	1710-1755	100	1710-1755	100	1710-1755	100	1710-1755	100
	2110-2155	100	2110-2155	100	2110-2155	100	2110-2155	100
	2500-2570	100	2500-2570	100	2500-2570	100	2500-2570	100
	2620-2690	100	2620-2690	100	2620-2690	100	2620-2690	100

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ITEM	SPECIFICATION							
Frequency Range	PCS1900				AWS			
Port	P5		P6		P7		P8	
Direction	UL		DL		UL		DL	
Frequency Range(MHz)	1850~1915		1930~1995		1710~1755		2110~2155	
Passband Insertion Loss	1.5dB Max		1.5dB Max		1.5dB Max		1.5dB Max	
Passband Ripple(P-P)	0.7dB Max		0.7dB Max		0.7dB Max		0.7dB 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)
	777-787	100	777-787	100	777-787	100	777-787	100
	746-756	100	746-756	100	746-756	100	746-756	100
	824-849	100	824-849	100	824-849	100	824-849	100
	869-894	100	869-894	100	869-894	100	869-894	100
	-	-	1850-1915	100	1850-1915	100	1850-1915	100
	1930-1995	100	-	-	1930-1995	100	1930-1995	100
	1710-1755	100	1710-1755	100	-	-	1710-1755	100
	2110-2155	100	2110-2155	100	2110-2155	100	-	-
	2500-2570	100	2500-2570	100	2500-2570	100	2500-2570	100
	2620-2690	100	2620-2690	100	2620-2690	100	2620-2690	100

◆ PORT ISOLATION

Ports	Frequency Range[MHz]	Isolation[dB] [Max]
P1 to P2	756 - 776	80
P2 to P1	756 - 776	80
P3 to P4	849 - 869	80
P4 to P3	849 - 869	80
P5 to P6	1815 - 1930	80
P6 to P5	1815 - 1930	80
P7 to P8	1755 - 2110	80
P8 to P7	1755 - 2110	80

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◆ GENERAL ELECTRICAL SPECIFICATION

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

◆ ENVIRONMENTAL SPECIFICATION

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

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	220.0 x 199.0 x 93.0Max (unit:mm)
Mounting Points	See Outline Drawing
RF Connector	ANT Port : N Female Connector Other Port : SMA Female Connector
Connector Position	See Outline Drawing
Finish	Black color epoxy coating

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◆ OUTLINE DRAWING

