

CAVITY MULTIPLEXER

PART NO. : WV-6MUL-COM10

◆ APPLICATION

> 6 Multi Band System

◆ FEATURE

> High Reliability
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION											
Frequency Range	P-GSM900				GSM1800				UMTS			
Direction	UL(P1)		DL(P2)		UL9P3)		DL(P4)		UL(P5)		DL(P6)	
Frequency Range(MHz)	890~915		935~960		1710~1785		1805~1880		1920~1980		2110~2170	
Passband Insertion Loss	1.5dB Max		1.5dB Max		2.0dB Max		2.0dB Max		1.5dB Max		1.5dB Max	
Passband Ripple(P-P)	1.2dB Max		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		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)	Freq. (MHz)	Atten [dB] (min)
	-	-	890-915	100	890-915	100	890-915	100	890-915	100	890-915	100
	935-960	100	-	-	935-960	100	935-960	100	935-960	100	935-960	100
	1710-1785	100	1710-1785	100	-	-	1710-1785	100	1710-1785	100	1710-1785	100
	1805-1880	100	1805-1880	100	1805-1880	100	-	-	1805-1880	100	1805-1880	100
	1920-1980	100	1920-1980	100	1920-1980	100	1920-1980	100	-	-	1920-1980	100
	2110-2170	100	2110-2170	100	2110-2170	100	2110-2170	100	2110-2170	100	-	-

◆ Out of Band Ports Isolation

ITEM	SPECIFICATION	
Ports	Freq[MHz]	Isolation rate[dB]
P1 to P2	915-935	90
P2 to P1	935-915	90
P3 to P4	1785-1805	90
P4 to P3	1805-1785	90
P5 to P6	1980-2110	90
P6 to P5	2110-1980	90

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◆ GENERAL ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
IN/OUT Impedance	50[ohms]
Power	20W CW
Minimum Isolation between DL and UL ports within a service in the Center freq. between DL and UL	100dB critical
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°C to +70°C

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	220.0 x 148.0 x 67.0 (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

