

CAVITY MULTIPLEXER

PART NO. : WV-6MUL-OT-01

◆ APPLICATION

> 6 Multi Band System

◆ FEATURE

> High Reliability
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION											
Frequency Range	P-GSM850				GSM1900				AWS			
Direction	UL(P1)		DL(P2)		UL(P3)		DL(P4)		UL(P5)		DL(P6)	
Frequency Range(MHz)	824~849		869~894		1850~1910		1930~1990		1710~1770		2110~2170	
Passband Insertion Loss	1.5dB Max		1.5dB Max		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		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)
	-	-	824-849	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	869-894	100
	1850-1910	100	1850-1910	100	-	-	1850-1910	100	1850-1910	100	1850-1910	100
	1930-1990	100	1930-1990	100	1930-1990	100	-	-	1930-1990	100	1930-1990	100
	1710-1770	100	1710-1770	100	1710-1770	100	1710-1770	100	-	-	1710-1770	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	849-869	90
P2 to P1	869-849	90
P3 to P4	1910-1930	90
P4 to P3	1930-1910	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

