

CAVITY MULTIPLEXER

PART NO. : WV-10MUL-COM02

◆ APPLICATION

> 10 Multi System Band System

◆ FEATURE

> High Reliability
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION							
Frequency Range	CELL				PCS + G Block			
Direction	UL		DL		UL		DL	
Frequency Range(MHz)	824~849		869~894		1850~1915		1930~1995	
Passband Insertion Loss	2.0dB Max		1.8dB 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)
	869-894	100	824-849	100	700-1760	80	700-1760	80
	700-800	80	700-800	80	2000-2200	80	2060-2200	70
	900-2200	80	900-2200	80	1930-1995	100	1850-1915	100
Isolation(DL to UL)	65dB min @ 859-860MHz				60dB Min @ 1922MHz ~ 1923MHz			

ITEM	SPECIFICATION							
Frequency Range	AWS				LTE 700M-C			
Direction	UL		DL		UL		DL	
Frequency Range(MHz)	1710~1755		2110~2155		698~716 + 777~787		728~757	
Passband Insertion Loss	1.5dB Max		1.5dB Max		3.0dB Max		1.8dB 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)
	700-1500	80	700-1500	80	820-2200	80	820-2200	80
	1800-2000	80	1800-2000	80	728-757	100	777-787	100
	2110-2155	100	1710-1755	100	763-775	25	698-716	90
Isolation(DL to UL)	65dB min @ 1932-1933 MHz				65dB min @ 766-767 MHz 65dB min @ 722-723 MHz			

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ITEM	SPECIFICATION			
Frequency Range	WCS-2300			
Direction	UL		DL	
Frequency Range(MHz)	2305 ~ 2320		2345 ~ 2360	
Passband Insertion Loss	2.0dB Max		2.0dB Max	
Passband Ripple(P-P)	1.2dB Max		1.2dB Max	
Passband Return Loss	15dB Min		15dB Min	
Attenuation	Freq. (MHz)	Atten [dB] (min)	Freq. (MHz)	Atten [dB] (min)
	2345-2360	100	2305-2320	100
	700-800	80	700-800	80
	900-2200	80	900-2200	80

◆ 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 100[MHz] to 740[MHz] in all ports to the common port (Antenna port)	50dB
Attenuation in the band 2200[MHz] to 6000[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	230.0 x 220.0 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
Weight	Apprx. 6.0Kgs.
Finish	Black color epoxy coating

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◆ OUTLINE DRWAING

