

CAVITY MULTIPLEXER

PART NO. : WV-6MUL-COM03

◆ APPLICATION

> Triplexer for : P-GSM900 GSM1800 UMTS Band System

◆ FEATURE

> High Reliability
> RoHS Compliant

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION											
Frequency Range	P-GSM900				GSM1800				UMTS			
Direction	UL		DL		UL		DL		UL		DL	
Frequency Range(MHz)	890~915		935~960		1710~1785		1805~1880		1920~1980		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)
	-	-	890-915	80	890-915	80	890-915	80	890-915	80	890-915	80
	935-960	80	-	-	935-960	80	935-960	80	935-960	80	935-960	80
	1710-1785	80	1710-1785	80	-	-	1710-1785	80	1710-1785	80	1710-1785	80
	1805-1880	80	1805-1880	80	1805-1880	80	-	-	1805-1880	80	1805-1880	80
	1920-1980	80	1920-1980	80	1920-1980	80	1920-1980	80	-	-	1920-1980	80
	2110-2170	80	2110-2170	80	2110-2170	80	2110-2170	80	2110-2170	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	90dB 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

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MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	220.0 x 140.0 x 67.0 (unit:mm)
Mounting Points	See Outline Drawing
RF Connector	ANT Port : N Female Long Connector Other Port : SMA Female Connector
Weight	Around 3.5Kg
Connector Position	See Outline Drawing
Finish	Black color epoxy coating

OUTLINE DRWAING

