

CAVITY DUPLEXER

PART NO. : WVC-1732.5D2132.5-45M04

◆ APPLICATION

> 1700MHz Band and 2100MHz Band System

◆ FEATURE

> High Reliability
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM		SPECIFICATION	
		RX	TX
Frequency Range		1710MHz ~ 1755MHz	2110MHz ~ 2155MHz
Bandwidth		45MHz	45MHz
Insertion Loss		1.5dB Max	1.5dB Max
Passband Ripple		0.5dB Max	0.5dB Max
Return Loss		18dB Min	18dB Min
Attenuation Referred to band center	@DC ~ 1500MHz	60dBc Min	60dBc Min
	@2110 ~ 2155MHz	80dBc Min	NA
	@1710 ~ 1755MHz	NA	80dBc Min
	@2350 ~ 6000MHz	60dBc Min	60dBc Min
	2 nd & 3 rd Harmonics	30dBc Min	30dBc Min
Isolation (DL to UL)	@1710 ~ 1755MHz	85dB Min @ ANT port with Termination	
	@1755 ~ 2110MHz	70dB Min @ ANT port with Termination	
	@2110 ~ 2155MHz	85dB Min @ ANT port with Termination	
	@1755 ~ 2110MHz	68dB Min @ ANT port without Termination	
Input Power		3W Avg/ 30W Peak(Must for DL Port)	
Maximum Operating Power		20W (CW) Max	
In/Out Impedance		50 Ohms Nominal	

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◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature	-30°C to +85°C

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	102.8 x 39.3 x 25.4 Max (unit:mm) tolerance : ±0.3mm
Mounting Points	See Outline Drawing
RF Connector	ANT Port : SMA Female Connector UL,DL Port : SMA Female Connector
Connector Position	See Outline Drawing
Finish	Black Color Epoxy Coating

◆ OUTLINE DRAWING

