

CAVITY DUPLEXER

PART NO. : WVC-1462.75D1516.75-27.5M01

◆ APPLICATION

> for use in 1.4GHz Systems

◆ FEATURE

> High Reliability
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM		SPECIFICATION				
Frequency Range		LOW Passband		HIGH Passband		BW(MHz)
		F1(MHz)	F2(MHz)	F3(MHz)	F4(MHz)	
		1449	1476.5	1503	1530.5	27.5
Insertion Loss		1.5dB Max				
Return loss		All Port : 18.0dB Min				
Passband Ripple		±0.5dB Max				
Out of Band Rejection	LOW to ANT	70dB Min @ F3 ...F4 50dB Min @ 30MHz ... F1-DS 50dB Min @ F4 ... 2*F1 30dB Min @ 2F1 ... 5F2				
	HIGH to ANT	70dB Min @ F1 ...F2 50dB Min @ 30MHz ... F1 50dB Min @ F4+DS ... 2*F3 30dB Min @ 2F3 ... 5F4				
Group Delay Variation within ±2MHz		20nS Max				
In/Out Impedance		50 Ohms nominal				

◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature Range	-20°C to +75°C

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MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	140.0 x 51.0 x 41.0 Max(mm)
Mounting Points	See Outline Drawing
RF Connector	ANT Port : N Female Connector LOW, HIGH Port : SMA Female Connector
Connector Position	See Outline Drawing
Finish	Black color epoxy coating

OUTLINE DRAWING

