

2496-2568MHz Cavity Filter SPEC

Part Number MWD2532BW72DINT Version1.2

Date2015Oct15

1. Electrical Specifications

Item	Specification
Operating Frequency Range	2496MHz ~ 2568MHz
Operating Bandwidth	72MHz
Passband Insertion Loss	$\leq 1.0\text{dB}$ (Over Temp.)
Passband Ripple	$\leq 0.75\text{dB}$
Passband Return Loss	$\geq 18\text{dB}$
Rejection	$\geq 20\text{dB}@1\sim 2473\text{MHz}$ $\geq 20\text{dB}@2710\sim 12750\text{MHz}$ $\geq 100\text{dB}@1550\sim 1600\text{MHz}$ $\geq 74\text{dB}@824\sim 2025\text{MHz}$ $\geq 54\text{dB}@2400\sim 2473\text{MHz}$ $\geq 45\text{dB}@2618\sim 2690\text{MHz}$ $\geq 38\text{dB}@4992\sim 5380\text{MHz}$ $\geq 38\text{dB}@7488\sim 8070\text{MHz}$ $\geq 38\text{dB}@9984\sim 10760\text{MHz}$ $\geq 38\text{dB}@12480\sim 13450\text{MHz}$ $\geq 38\text{dB}@14976\sim 16140\text{MHz}$ $\geq 38\text{dB}@17472\sim 18830\text{MHz}$ $\geq 38\text{dB}@19968\sim 21520\text{MHz}$
Group Delay Variation in Passband	$\leq 40\text{ns}$
PIM	$\leq -140\text{dBc}@2^{*}+43\text{dBm}$
Power	OFDM RMS power of 50W and peak power of 400W due to PAPR of 10dB
Input & Output Impedance	50Ω

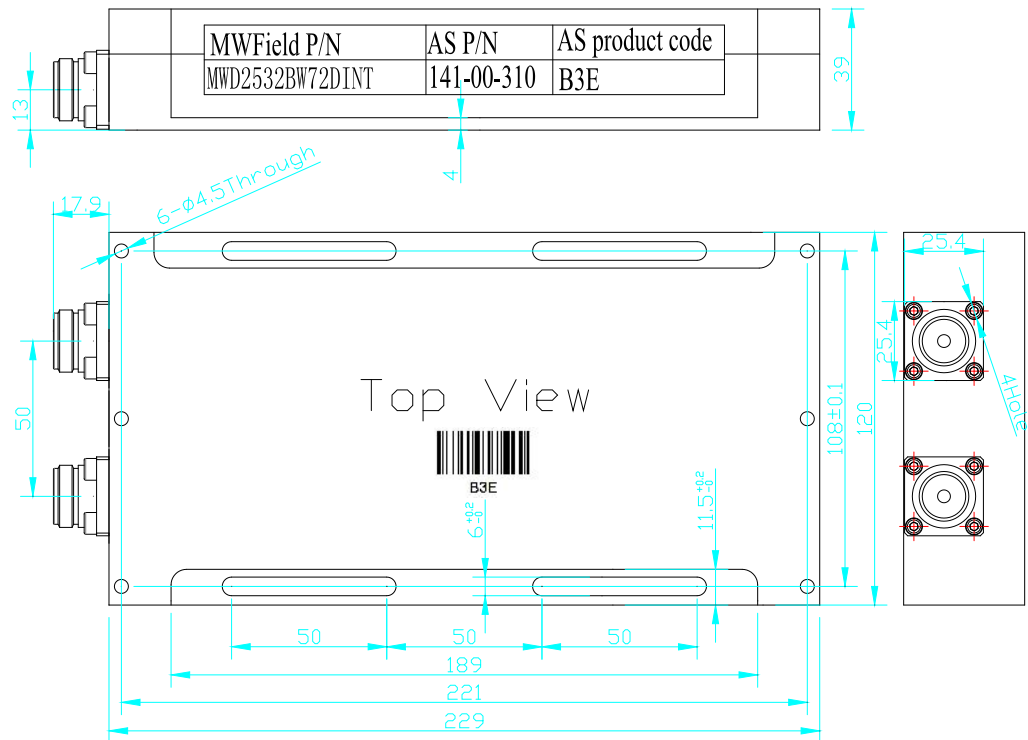
Environmental Specifications

Item	Specification
Operating temperature Range	-40°C to $+85^{\circ}\text{C}$
Lightning Surge	Max 6kV Pulsed
Application	Outdoor,IP67

Mechanical Specifications

Item	Specification
Connectors	DIN 4.1-9.5 Female(4 Holes)
Color	RAL9002
Weight	1.4kg(estimated)

2. Outline



3. Simulation Curve

