

2618-2690MHz Cavity BPF SPEC

Part Number MWD2654BW72DINT Version1.2

Date2015Oct15

1. Electrical Specifications

Item	Specification
Operating Frequency Range	2618MHz ~ 2690MHz
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	$\geq 20\text{dB}@1-2473\text{MHz}$ $\geq 100\text{dB}@1550-1600\text{MHz}$ $\geq 20\text{dB}@2710-12750\text{MHz}$ $\geq 74\text{dB}@824-2025\text{MHz}$ $\geq 54\text{dB}@2400-2473\text{MHz}$ $\geq 45\text{dB}@2496-2568\text{MHz}$ $\geq 38\text{dB}@4992-5380\text{MHz}$ $\geq 38\text{dB}@7488-8070\text{MHz}$ $\geq 38\text{dB}@9984-10760\text{MHz}$ $\geq 38\text{dB}@12480-13450\text{MHz}$ $\geq 38\text{dB}@14976-16140\text{MHz}$ $\geq 38\text{dB}@17472-18830\text{MHz}$ $\geq 38\text{dB}@19968-21520\text{MHz}$
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	50 Ω

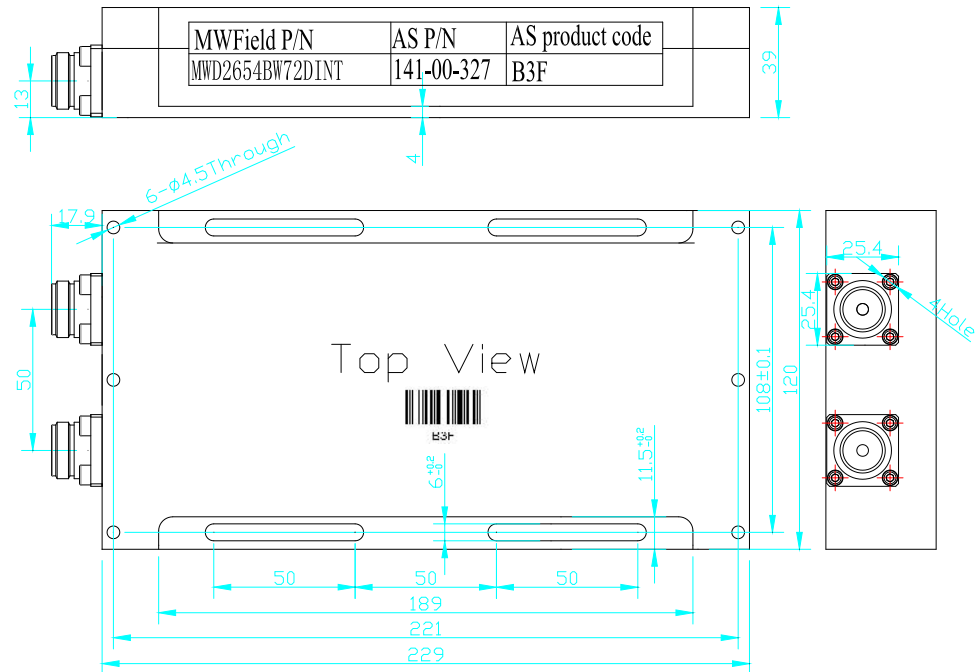
Environmental Specifications

Item	Specification
Operating temperature Range	-40℃ to +85℃
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

