

2496-2690MHz Cavity Filter SPEC

Part Number MWD2593BW194DINT Version1.3

Date2015Dec2

1. Electrical Specifications

Item	Specification
Operating Frequency Range	2496MHz ~ 2690MHz
Operating Bandwidth	194MHz
Passband Insertion Loss	≤ 1.0dB (Over Temp.)
Passband Ripple	≤ 0.75dB
Passband Return Loss	≥ 18dB
Rejection	≥20dB@1~ 2473MHz ≥20dB@2710~ 12750MHz ≥100dB@1550~ 1600MHz ≥74dB@824~ 2025MHz ≥54dB@2400~ 2473MHz ≥38dB@4992~ 5380MHz ≥38dB@7488~ 8070MHz ≥38dB@9984~ 10760MHz ≥38dB@12480~ 13450MHz ≥38dB@14976~ 16140MHz ≥38dB@17472~ 18830MHz ≥38dB@19968~ 21520MHz
Group Delay Variation in Passband	≤ 40ns
PIM	≤ -146dBc@2*+40dBm
Power	OFDM RMS power of 50W and peak power of 400W due to PAPR of 9dB
Input & Output Impedance	50Ω

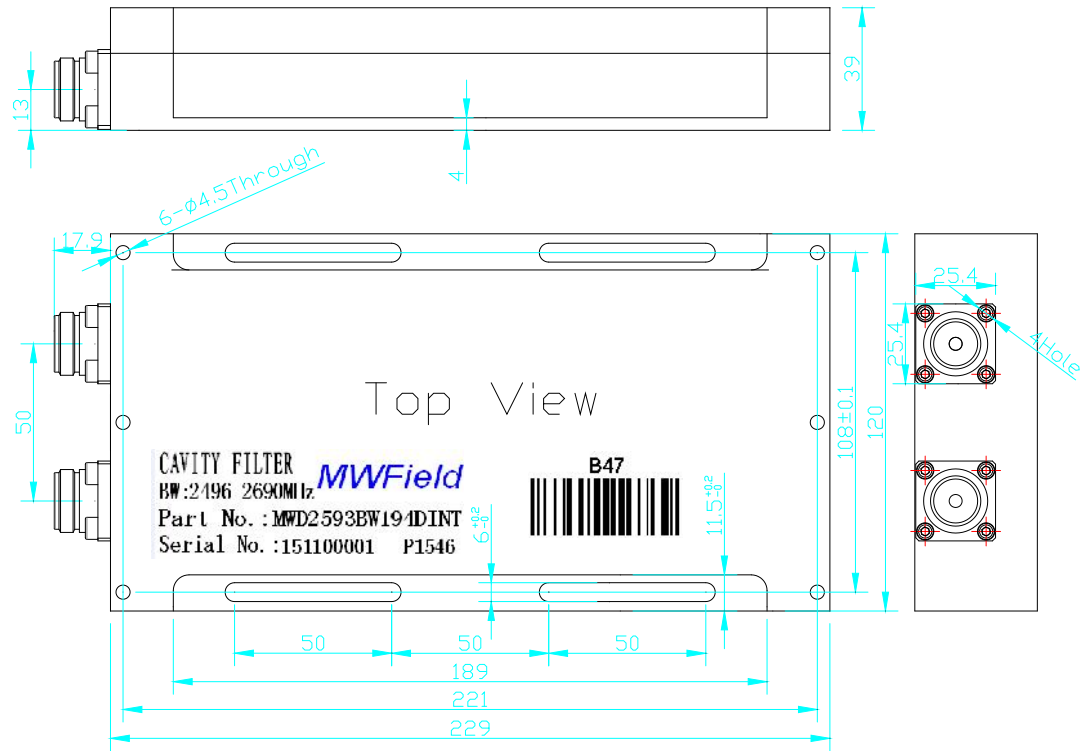
Environmental Specifications

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

