ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

773~803 MHz Cavity Notch Filter

Part Number: AE788NS2165

ISO 9001 REGISTERED FIRM

Electrical Specifications

Reject Frequency Range: 773~803 MHz
Rejection: 30 dB Min
Lower Passband: 9kHz~743MHz
Upper Passband: 818~1400 MHz
Insertion Loss: 1.0 dB typical @ passband
Flatness: 0.8 dB Max
Return Loss: 14.0 dB Min within passband
In/Out Impedance: 50 Ω
Maximum Average Power: 40 dBm (within reject band. Applicable for both ports but one at a time).
Maximum Peak Power:

Peak to average @ 10%: 4 dB
Peak to average @ 1%: 6 dB
Peak to average @ 0.1%: 7 dB
Peak to average @ 0.01%: 8 dB
Peak to average @ 0.001%: 8.5 dB
Crest factor: 10 dB (duration of the maximum peaks is about 100 us)

Passive Inter-modulation (Non mandatory): <-110dBm Min (Requirement is valid with two 43dbm CW carriers delivered. PIM shall be measured in forward and reverse direction).

Mechanical

Connector Type: N-Type (F)
Dimensions: 278.0 x 68.0 x 66.0 mm

Environmental

Operating Temperature: -18 to +40º C
Storage Temperature: -30 to +75º C
Finish: Black color epoxy coating

This product is RoHS Compliant.

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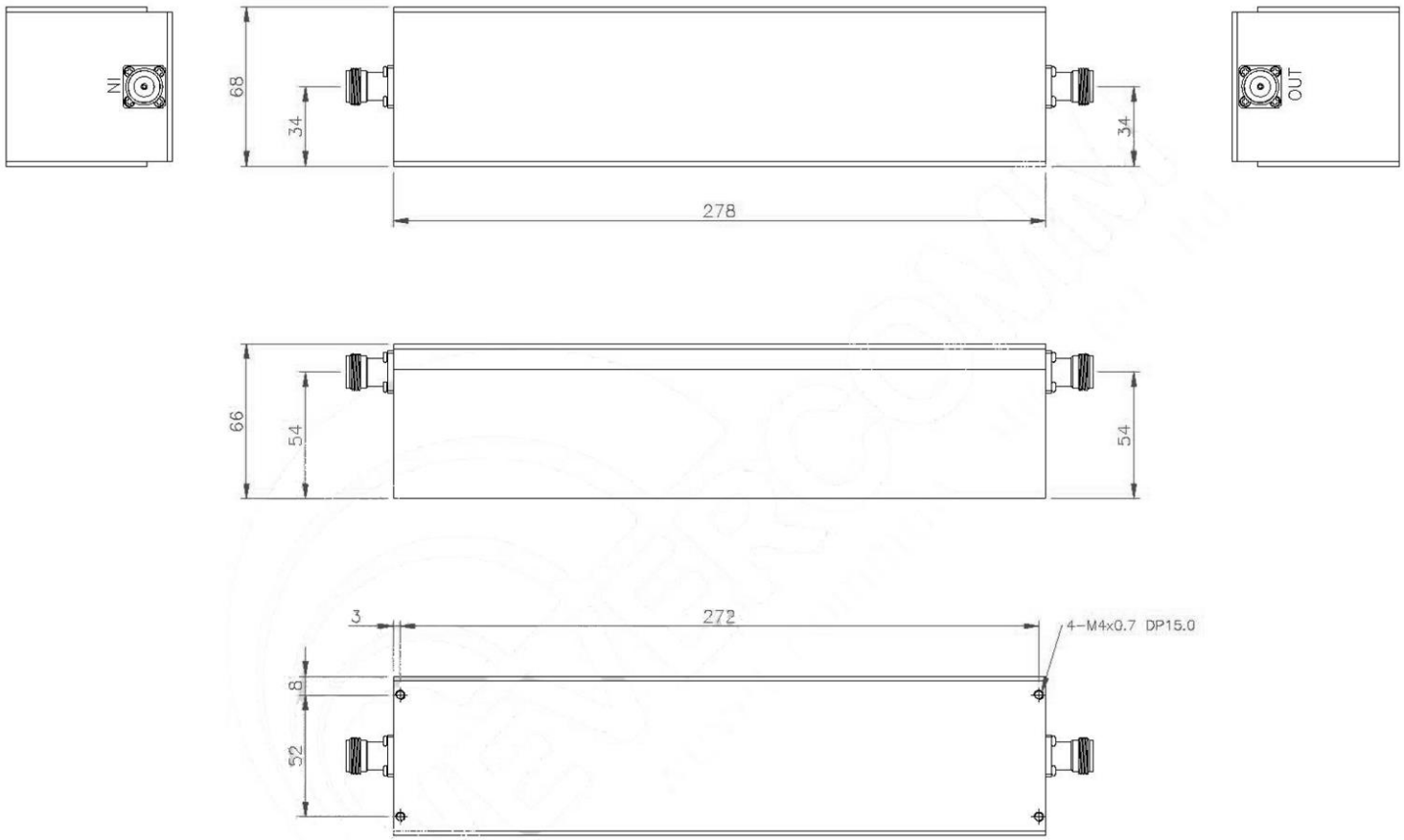
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Outline Drawing:



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