# Coaxial cavity Notch Filter
# 851 - 861MHz




*Features*

- High Rejection
- Low Insertion Loss
- Excellent Temperature Stability
- Miniaturization
- Filter Type: Cavity
- Customization available upon request

RoHS Compliant

*Electrical Specifications, $T_A$ =25 ℃*

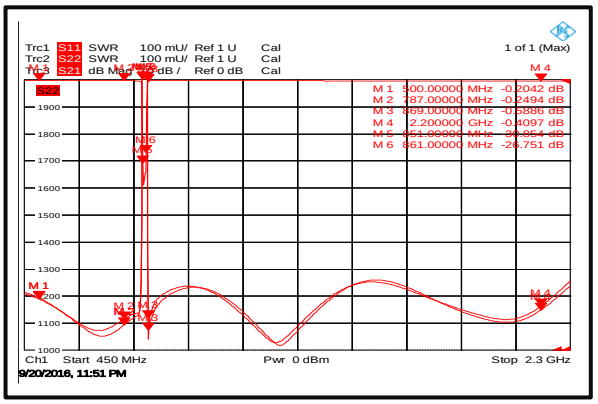
| Parameters | Min. | Typ. | Max. | Units |
|---|---|---|---|---|
| Pass band Frequency | 500~787 & 869~2200 | | | MHz |
| Band stop frequency | 851~861 | | | MHz |
| Pass Band Insertion Loss | | 0.7 | 1.0 | dB |
| VSWR | | 1.3 | 1.6 | :1 |
| Band stop Rejection | 20 | 25 | | dBc |
| Power | | | 50 | W |
| Impedance | 50 | | | Ohms |
| Weight | 13.75 | | | ounces |
| Input / Output Connectors | N-Female | | | |
| Material | Aluminum | | | |
| Finishing | Blue Paint | | | |

## Environmental Specifications

| | |
|---|---|
| Operational Temperature (°C) | -5 ~ +45 |
| Storage Temperature (°C) | -25 ~ +70 |
| Altitude | 30,000 ft. (Epoxy Sealed Controlled environment) |
| | 60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) （Optional） |
| Vibration | 25g RMS (15 degrees 2KHz) endurance, 1 hour per axis |
| Humidity | 100% RH at 35c, 95%RH at 40°C |
| Shock | 20G for 11msec half sine wave,3 axis both directions |

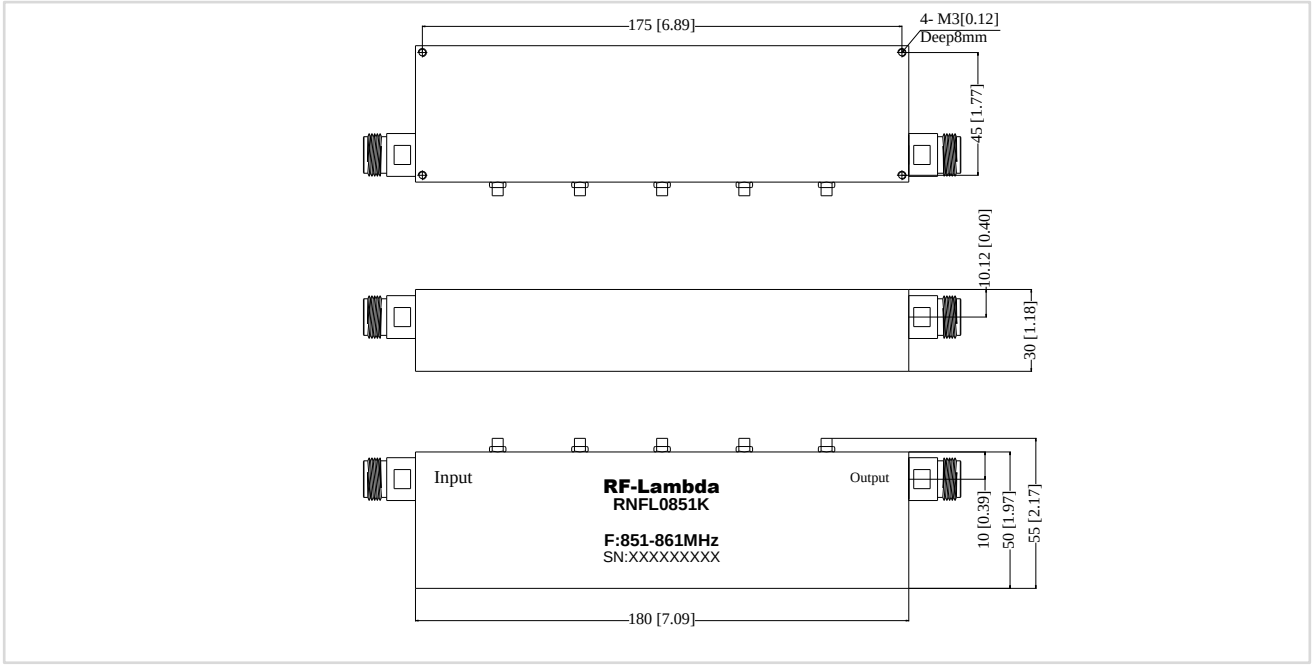
## *Typical Performance Plots*

### Loss VS. Ripple VS. Rejection VS.Return Loss




## Outline Drawing:

All Dimensions in mm [inches]

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