NPX2448-40A1

Ceramic Band Reject Filter

Rev 1– Revision Date: July 13, 2020

Features

- High Rejection
- Low Insertion Loss
- Surface Mount

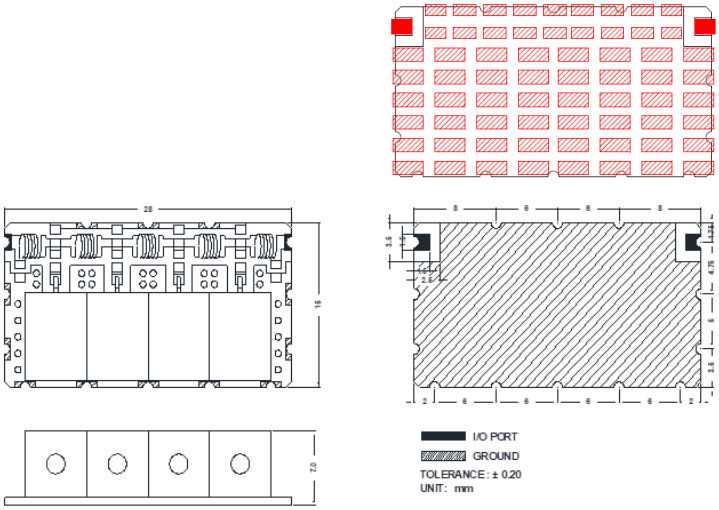
Descriptions

Surface mount band reject filter developed for Wi-Fi band application.

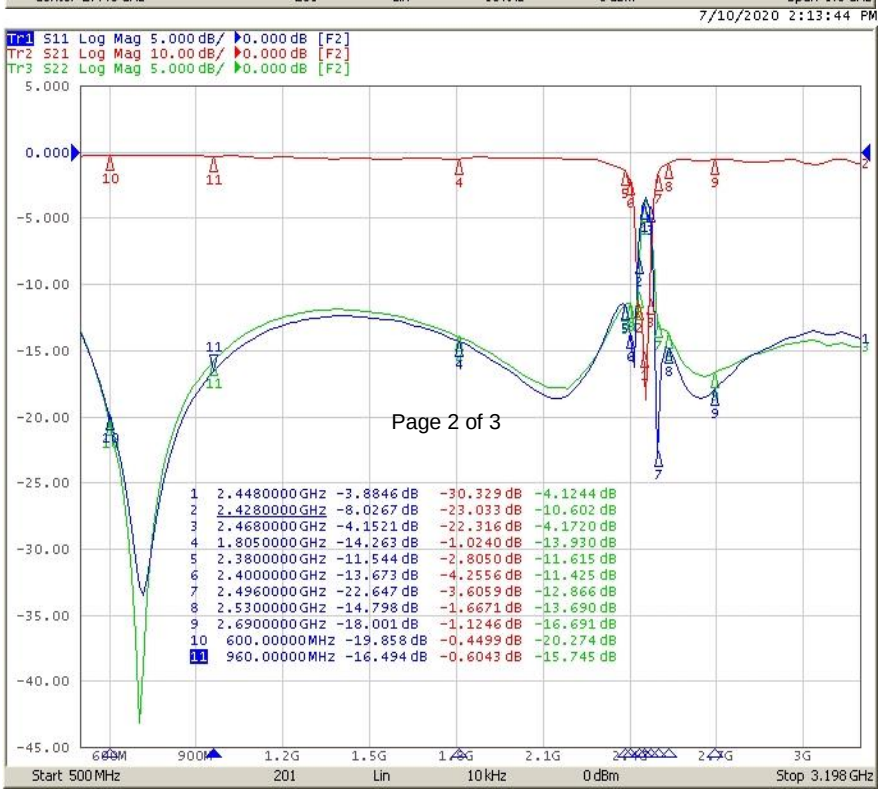
Electrical Specifications

Parameter	*Unit*	*Specification*
Reject Band Center Frequency	*MHz*	*2448*
Rejection Bandwidth	*MHz*	*2428 ~ 2468*
Rejection	*dB*	*20 min*
Passband Frequency Range	*MHz*	*617 ~ 960, 1805 ~ 2400*
Insertion Loss in Lower Passband	*dB*	*1.5 max @ 600 ~ 960 MHz*
		3.0 max @ 1805 ~ 2380 MHz
		5.0 max @ 2380 ~ 2400 MHz
Insertion Loss in Upper Passband	*dB*	*4.0 max @ 2496 ~ 2530 MHz*
		2.0 max @ 2530 ~ 2690 MHz
Return Loss in Lower Passband	*dB*	*14 min @ 600 ~ 960 MHz*
		10 min @ 1805 ~ 2400 MHz
Return Loss in Upper Passband	*dB*	*13 min @ 2496 ~ 2690 MHz*
RF Power in Passband	*dBm*	*+33 avg (x-factor +10dB)*
In/Out Impedance	*Ohm*	*50*
Operating Temperature	*°C*	*-20 ~ +65*
Dimensions	*mm*	*28.0 x 15.0 x 6 (L x W x H)*

Mechanical Drawing and Recommended PCB Layout



Electrical Response



Page 2 of 3

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