

SAW Bandpass Filter -Remote Control - RF Specification (Rev 3)

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Temexpress is a brand name of **rakon**

SAW Bandpass Filter – Remote Control - RF

Specification (Rev 3)

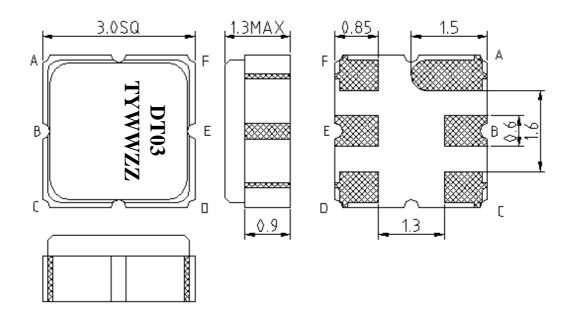
June 29th, 2022

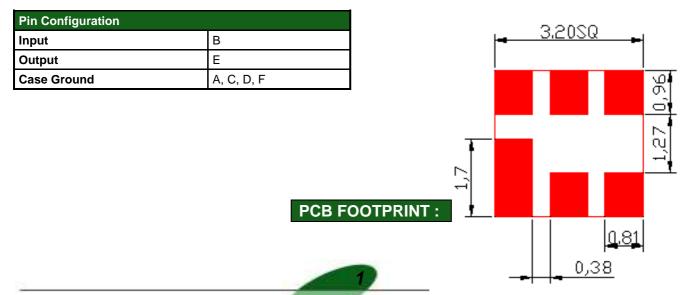
Features

- □ RF SAW Filter
- □ 433.92 MHz Center Frequency
- ☐ Bandwidth: 1.6MHz
- □ 50 Ohms Single Configuration
- □ Ceramic package for Surface Mounted Technology

Package Drawing & Pin out

The product is in conformance with the European RoHs Directive 2015/863.





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Technical Characteristics

Reference Temperature : +25℃

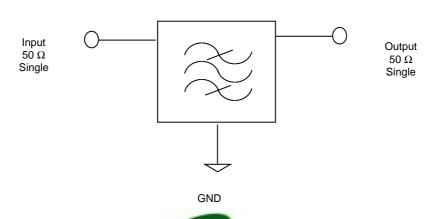
Electrical Pa	rameters	Unit	Minimum	Typical ⁽¹⁾	Maximum	
Source Impedance (Single	ended)	Ohms	-	50 ⁽²⁾	-	
Load Impedance (Single en	ded)	Ohms	-	50 ⁽²⁾	-	
Center Frequency fo		MHz		433.92		
Absolute Attenuation (reference from 0 dB)						
From 10.000 MHz to 380	0.00 MHz		58	61		
From 380.00 MHz to 423	3.42 MHz	dB	46	50	-	
From 443.42 MHz to 453	3.42 MHz	dB	25	30	-	
From 453.42 MHz to 460	0.00 MHz	dB	35	40	-	
From 460.00 MHz to 700	0.00 MHz	dB	50	54		
From 700.00 Mhz to 100	00.0 MHz	dB	42	46		
Insertion Loss in 433.12 MHz – 434.72 MHz		dB		2.2	2.9	
Amplitude ripple within [433.12 MHz – 434.72 MHz]		dB		0.4	1.0	
VSWR S11 S22		-		1.6	2.0	
Package type & size						
Length x Width		mm		3.0 x 3.0		
Height		mm			1.3	
Pin Out						
Input	В	Output			E	
Case Ground	A,C,D,F	To be grounded		Α,	A,C,D,F	

Notes :

- (1) Typical values are nominal performances at room temperature
- (2) Not external matching circuit is required

Matching Network

$50 \Omega / 50 \Omega$ Configuration

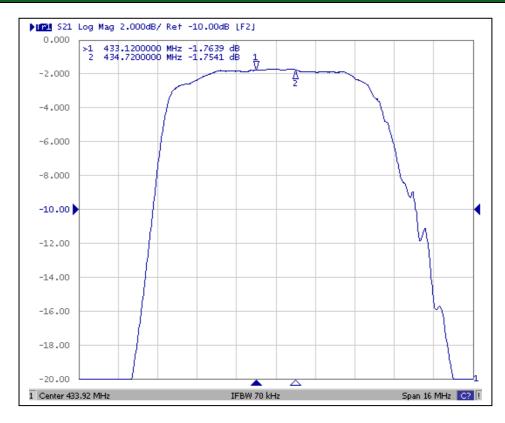


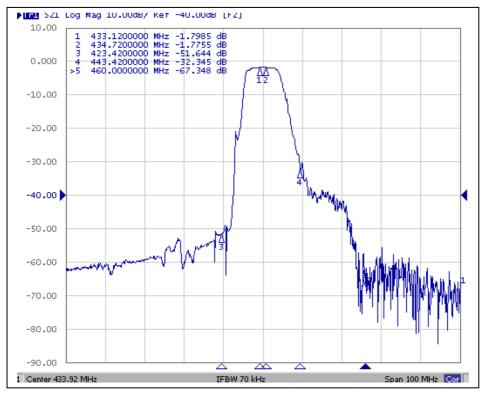
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Nominal Frequency Response (Measurements)

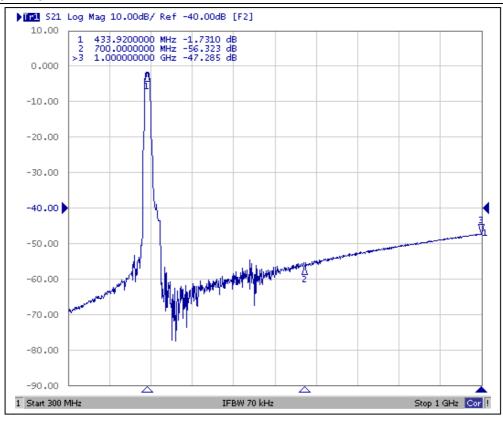


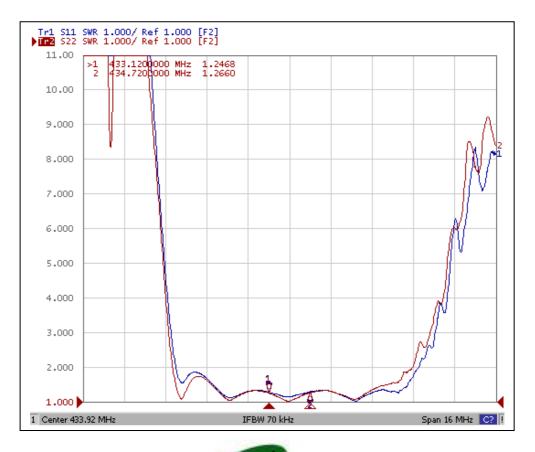


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Maximum Ratings

Storage Temperature Range	C	[-40℃ ; +85℃]
Operating temperature	C	[-40℃ ; +85℃]
DC voltage	V	3
RF Power Dissipation	dBm	16

Marking

LINE 1 LINE 2

Line 1: "NNNN" is the reference to Temexpress Part number with only the last 4 digits

Line 2: TYWWZZ is the date code as:

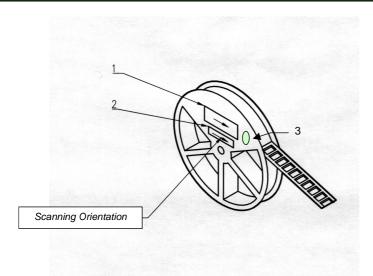
T: Partner identifier.

Y: last digit of the year.

WW: number of week in the year

ZZ: Lot number in the week (from AA to ZZ).

Packaging



3Kpcs/reel

- 1 Temexpress Label
- 2 ESD Prevention Label
- 3 Pb Free Label