

TMX W353

SAW Filter datasheet

3.0 x 3.0 mm, SMD

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TMX W353

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Features

Features

- 2441.8 MHz center frequency
- Ceramic package for Surface Mounted Technology
- 83.5 MHz useable Passband
- 50Ω Single Configuration
- RF Saw Filter for Bluetooth

Applications

Bluetooth



3.0 x 3.0 mm

Maximum Ratings

Parameter	Min.	Тур.	Max.	Unit
Storage temperature range (T _{stg})	-40		85	°C
Operating temperature range (T _A)	-40		85	°C
DC Voltage (V _{DC})			0	V
Input Power			10	dBm

Frequency and Electrical Characteristics (Reference temperature @ 25°C)

Parameter	Min.	Typ. ¹	Max.	Unit
Source impedance (Single ended)		50		Ω
Load impedance (Single ended)		50		Ω
Center frequency (fc)		2441.8		MHz
Bandwidth @ -3 dB (BW, passband width)	83.50			MHz
Absolute Attenuation				
From 10 to 1700 MHz	20	29		dB
From 1700 to 2200 MHz	25	30		
From 2700 to 3100 MHz	30	40		
From 3100 to 4000 MHz	20	29		
From 4000 to 5000 MHz	10	20		
Insertion Loss (IL, 2400 – 2483.5 MHz)		2.1	5.0	dB
Amplitude ripple (2400 – 2483.5 MHz)		0.9	3.0	dB
Input/Output VSWR (2400 –2483.5 MHz)		1.7	2.6	

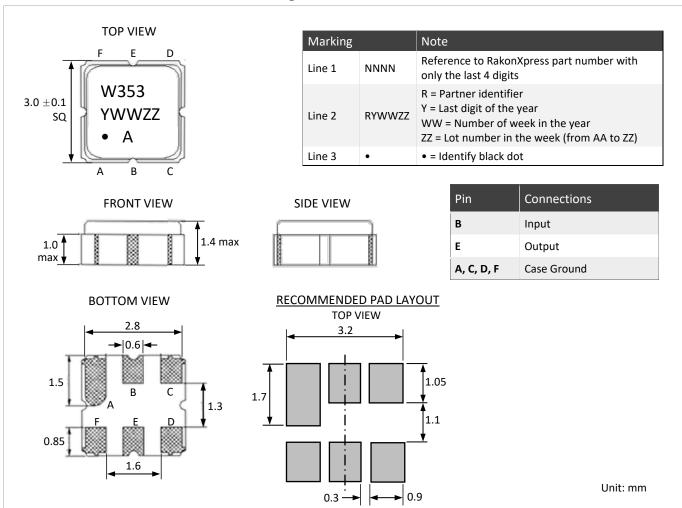
Issue: Rev 3, 11 January 2023

¹ Typical values are nominal performances at room temperature

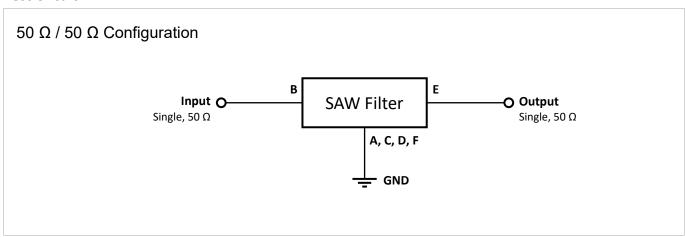
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Model Outline, Pin Connection and Marking



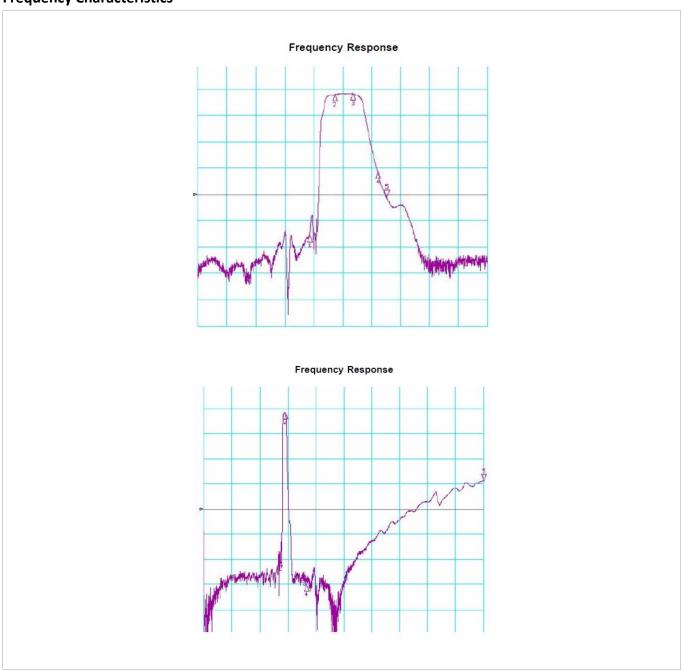
Test Circuit



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Frequency Characteristics



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Packaging

