

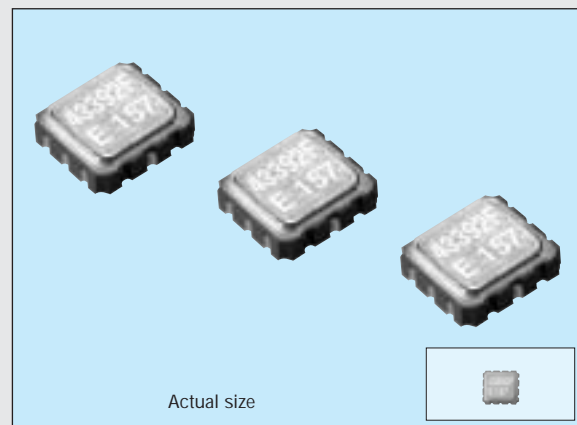
SAW Filter

**FF-555**

Product number (please refer to page 2)

**Q51FF555x xxx00**

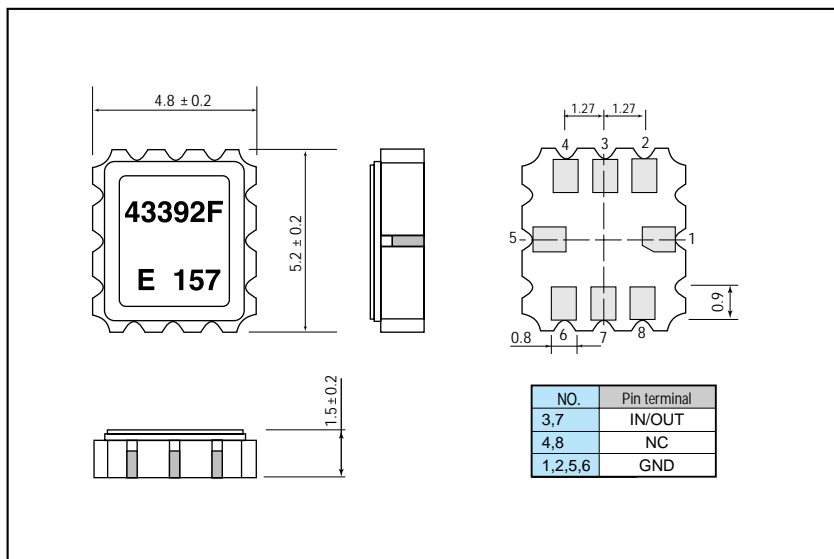
- Low-loss, Narrow Pass bandwidth, High stability by using crystal plate.
- Reflow solderable Surface-Mount ceramic package.
- Applications: Wireless remote-control, Security (Automotive keyless entry)
- Front-end filter for wireless receivers.
- Excellent shock resistance and environmental capability (prevention for contamination)

**Specifications (characteristics)**

Item	Symbol	Specifications	Remarks
Nominal frequency range	$f_0$	300 MHz to 500 MHz	
Insertion Loss	IL	- 3.5 dB Min.	Minimum Loss
Pass bandwidth	BW	$f_0 \pm 200$ kHz Min.	Reference to Minimum Loss
Attenuation	ATT	40 dB Min. ( $f_0 \pm 21.4$ MHz)	Reference to Through level (0 dB)
Peak Temperature	$\theta T$	+25 °C $\pm$ 15 °C	
Temperature Coefficient	$\alpha$	$(-3.4 \pm 0.8) \times 10^{-8} / ^\circ\text{C}^2$	
Operable temperature	T <sub>OPR</sub>	-40 °C to +85 °C	
Storage temperature range	T <sub>STG</sub>	-55 °C to +125 °C	
Terminal impedance	Z	370 $\Omega$ Typ.	Ex : 315 MHz
		260 $\Omega$ Typ.	Ex : 433.92 MHz
Test fixture		<p>EX:315 MHz Series Capacitance 4 pF Parallel Inductance 33 nH Ex:433.92 MHz Series Capacitance 5 pF parallel Inductance 18 nH</p>	

**External dimensions**

(Unit: mm)

**Recommended soldering pattern** (Unit: mm)