

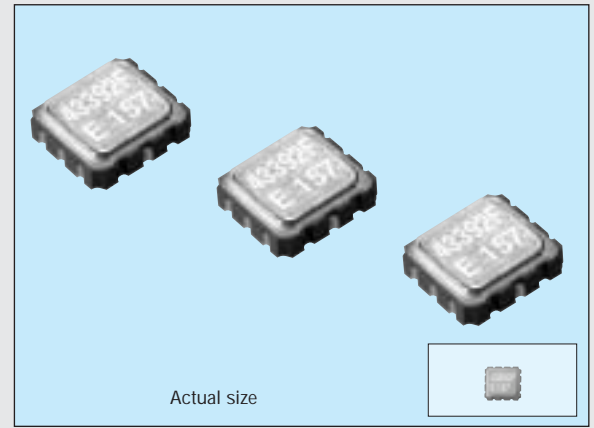
FRONT-END FILTER FOR TPMS AND WIRELESS RECEIVERS

FF-585

Product number (please refer to page 2)

Q51FF585x xxx00

- Low-loss, High stability by using Quartz crystal substrate.
- Reflow solderable Surface-Mount ceramic package.
- Applications: Wireless remote-control, Safety system (Automotive TPMS)

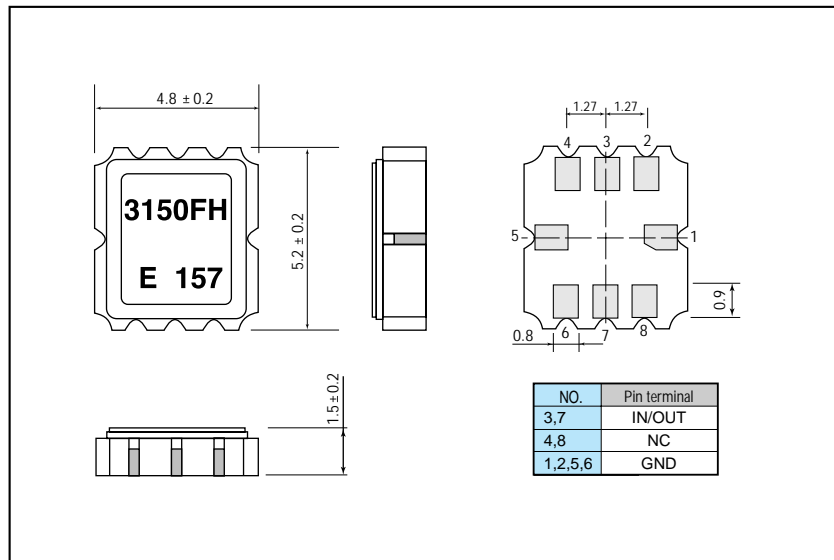


Specifications (characteristics)

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
Rejection band		At $F_c - 21.4$ MHz -40 dB Min. At $F_c + 21.4$ MHz -40 dB Min.	Reference to Through level (0 dB)
Peak Temperature	θT	+30 °C \pm 15 °C	
Temperature Coefficient	α	$(-3.4 \pm 0.8) \times 10^{-8} / ^\circ\text{C}^2$	
Operable temperature	T_{OPR}	-40 °C to +85 °C	
Storage temperature range	T_{STG}	-55 °C to +125 °C	
Terminal impedance	Z	370 Ω Typ.	Ex : 315 MHz
		260 Ω Typ.	Ex : 433.92 MHz
Test fixture		<p>EX:314.98 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)

