



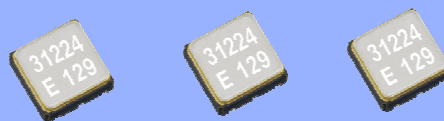
SAW FILTER

FF-32N

- Frequency range : 300 MHz to 500 MHz
- Thickness : 0.98 mm Typ.
- Applications : Wireless remote-control, Security (Automotive keyless entry)
- Narrow band for SRD Front-end filters.
- Low-loss, Narrow Pass bandwidth, High stability by using crystal substrate.



Product number (please contact us)
FF-32N : Q51FF32N0xxxx00



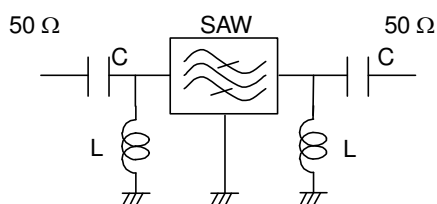
Actual size



Specifications (characteristics)

Item	Symbol	Specifications		Conditions / Remarks
Nominal frequency range	f_nom	300 MHz to 500 MHz	426 MHz, 429 MHz band*	*ARIB std. T67 in Japan
Storage temperature	T_stg	-55 °C to +125 °C	-55 °C to +125 °C	Store as bare product.
Operating temperature	T_use	-40 °C to +85 °C	-10 °C to +60 °C	
Insertion Loss	IL	3.5 dB Max.	3.5 dB Max.	Minimum Loss
Pass bandwidth	P_Bw	f_nom ±200 kHz Min.	f_nom ±300 kHz Min.	Reference to minimum loss (3 dB down)
Guaranteed attenuation	G_Att	f_nom -21.4 MHz : 40 dBMin. f_nom -10.7 MHz : 35 dBMin.	f_nom -21.4 MHz : 40 dB Min. f_nom -10.7 MHz : 35 dB Min.	Reference to minimum loss
Turnover temperature	Ti	+25 °C ±15 °C	+25 °C ±15 °C	
Temperature coefficient	B	$-(3.4 \pm 0.8) \times 10^{-8} / ^\circ\text{C}^2$	$-(3.4 \pm 0.8) \times 10^{-8} / ^\circ\text{C}^2$	
Terminal impedance	Zt	370 Ω Typ.		Ex: 315 MHz
		160 Ω Typ.		Ex: 433.92 MHz
			220 Ω Typ.	Ex: 429.45 MHz

Test fixture



Remarks

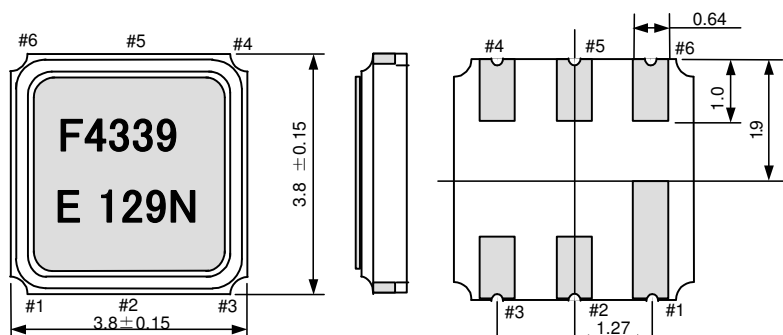
Ex: f_nom =315 MHz
Series Capacitance = 4 pF
Parallel Inductance =33 nH

Ex: f_nom =429.45 MHz
Series Capacitance =4 pF
Parallel Inductance =18 nH

Ex: f_nom =433.92 MHz
Series Capacitance =5 pF
Parallel Inductance =18 nH

External dimension

(Unit:mm)



Pin map

Pin	Connection
1,3,4,6	GND
2,5	IN,OUT

#1, #3, #4, #6 are connected to the cover.

Footprint (Recommended)

(Unit:mm)

