

WF972A0125CG

For Fixed Communication

■ Features

- IF SAW filter for GSM base station.
- A low-loss filter.
- With a low-band ripple.
- Excellent group delay characteristics.
- Excellent guaranteed attenuation.

Pb
Free

RoHS Compliant
Directive 2011/65/EU

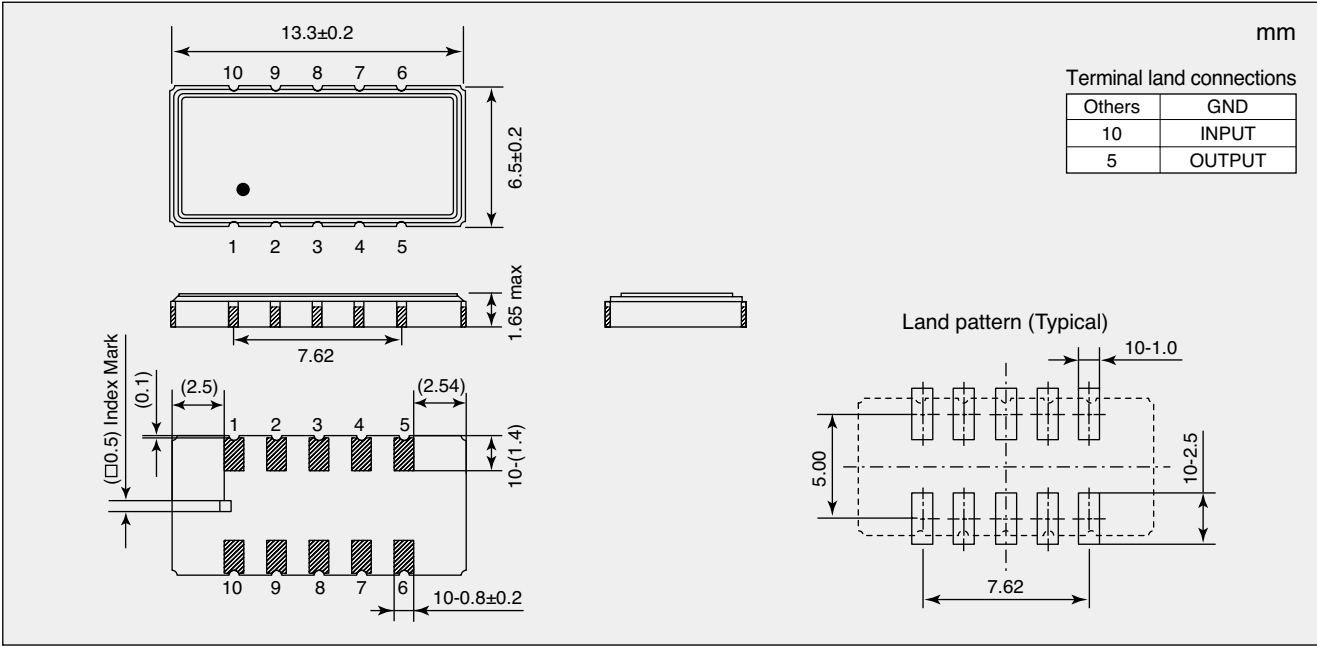


■ Specifications

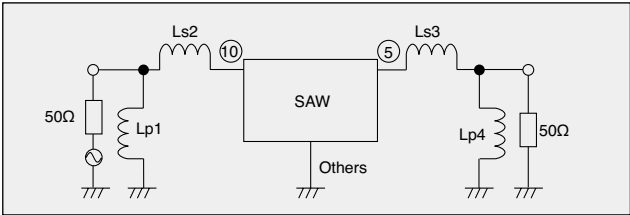
Model		WF972A0125CG		
Item		min.	typ.	max.
Nominal frequency : f ₀ (MHz)		–	125	–
Minimal insertion loss (dB)		–	5.6	7
1-dB passband width (MHz)		0.4	0.7	–
Pass-band ripple (dB p-p)(f ₀ ±0.2 MHz)		–	0.5	1.0
Absolute delay time (ns)(at f ₀)		700	1075	1700
Group delay deviation (ns p-p)(f ₀ ±0.2 MHz)		–	85.0	120
Guaranteed attenuation (dB) from the minimal insertion loss	f ₀ ±0.4 MHz to f ₀ ±0.6 MHz	0	2	–
	f ₀ ±0.6 MHz to f ₀ ±1.2 MHz	8	11	–
	f ₀ ±1.2 MHz to f ₀ ±1.8 MHz	20	31	–
	f ₀ ±1.8 MHz to f ₀ ±3.4 MHz	25	44	–
	f ₀ ±3.4 MHz to f ₀ ±6.5 MHz	34	47	–
	f ₀ ±6.5 MHz to f ₀ ±9.5 MHz	40	41	–
	*1 f ₀ ±9.5 MHz to f ₀ ±17 MHz	43	51	–
	*1 f ₀ –115 MHz to f ₀ –17 MHz	55	65	–
	*1 f ₀ +17 MHz to f ₀ +325 MHz	55	56	–
Operating temperature range (°C)		–10 to +85		
Terminating impedance (Ω)		50 (with matching)		

*1 Except the spurious at 135 MHz, 202.5 MHz, 228.5 MHz and 249 MHz.

■ Dimensions



■ Matching Circuit



■ Characteristics

