

SAW Filter for GSM Base Station

For Industrial Use

■ Features

- A low-loss filter.
- With a low-band ripple.
- Excellent group delay characteristics.
- Excellent guaranteed attenuation.

Pb
Free

RoHS Compliant
Directive 2002/95/EC



■ Specifications

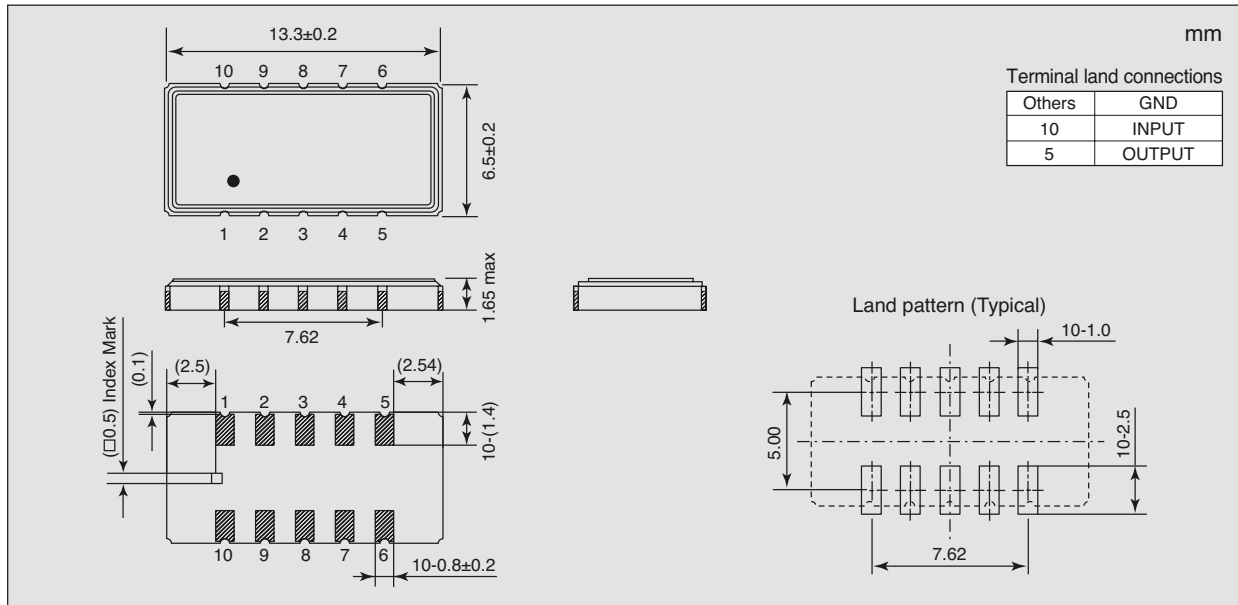
Model	WF972A0125CG			
Item	min.	typ.	max.	
Nominal frequency : f_0 (MHz)	–	125	–	
Minimal insertion loss (dB)	–	5.6	7	
1-dB passband width (MHz)	0.4	0.7	–	
Pass-band ripple (dB p-p)($f_0 \pm 0.2$ MHz)	–	0.5	1.0	
Absolute delay time (ns)(at f_0)	700	1075	1700	
Group delay deviation (ns p-p)($f_0 \pm 0.2$ MHz)	–	85.0	120	
Guaranteed attenuation (dB) from the minimal insertion loss	$f_0 \pm 0.4$ MHz to $f_0 \pm 0.6$ MHz	0	2	–
	$f_0 \pm 0.6$ MHz to $f_0 \pm 1.2$ MHz	8	11	–
	$f_0 \pm 1.2$ MHz to $f_0 \pm 1.8$ MHz	20	31	–
	$f_0 \pm 1.8$ MHz to $f_0 \pm 3.4$ MHz	25	44	–
	$f_0 \pm 3.4$ MHz to $f_0 \pm 6.5$ MHz	34	47	–
	$f_0 \pm 6.5$ MHz to $f_0 \pm 9.5$ MHz	40	41	–
	*1 $f_0 \pm 9.5$ MHz to $f_0 \pm 17$ MHz	43	51	–
	*1 $f_0 - 115$ MHz to $f_0 - 17$ MHz	55	65	–
	$f_0 + 17$ 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.

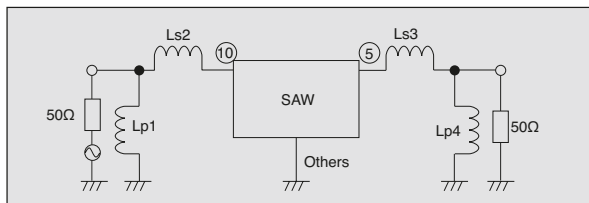
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■ Dimensions



■ Matching Circuit



■ Characteristics

