

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

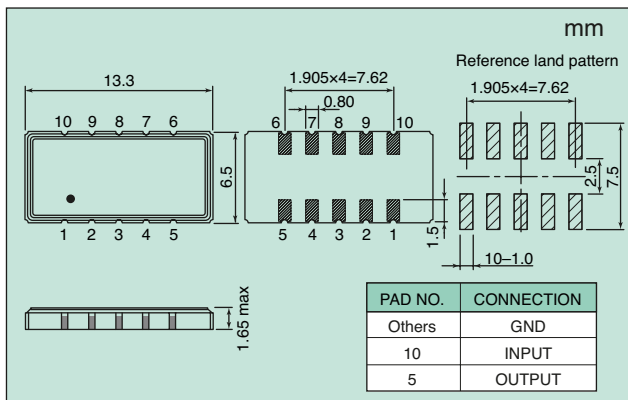
RoHS Compliant
Directive 2002/95/EC



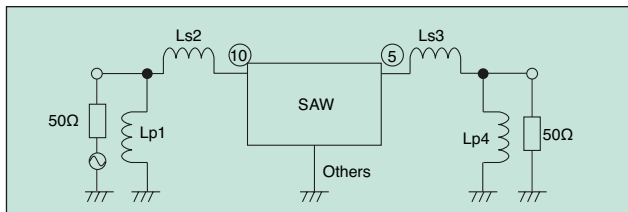
Specifications

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	–
In-band deviation (dB p-p)($f_0 \pm 0.2$ MHz)		–	0.5	1.0
Absolute group delay time (ns)(at f_0)		700	1075	1700
Group delay deviation (ns p-p)($f_0 \pm 0.2$ MHz)		–	85.0	120
Out-of-band attenuation (from the minimal insertion loss)				
Guaranteed attenuation (dB)	$f_0 \pm 0.4$ 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	–	85
Terminating impedance (Ω)		50 with matching		

Dimensions



Matching Circuit



Characteristics

