

Features

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

Pb Free

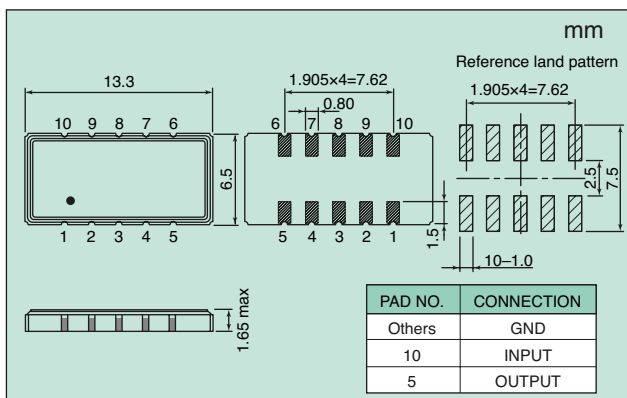
RoHS Compliant
Directive 2002/95/EC



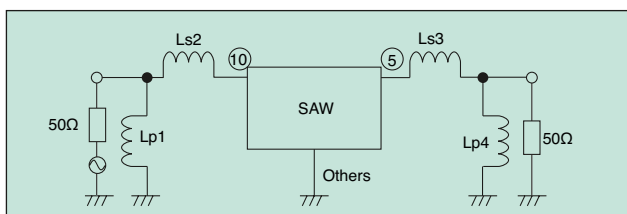
Specifications

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 $f_0 - 17$ MHz to $f_0 - 32.5$ MHz	55	65
Operating temperature range (°C)	–10	–	85
Terminating impedance (Ω)	50 with matching		

Dimensions



Matching Circuit



Characteristics

