SAW Device

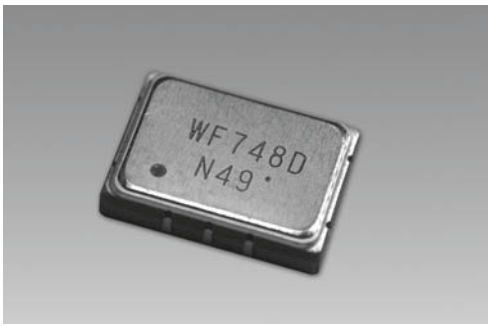
NDK Crystal Bridge to the Future

SAW Filter for Radio Communication

For Industrial Use

■ Features

- A low-loss filter.
- Compact.
- Excellent guaranteed attenuation.



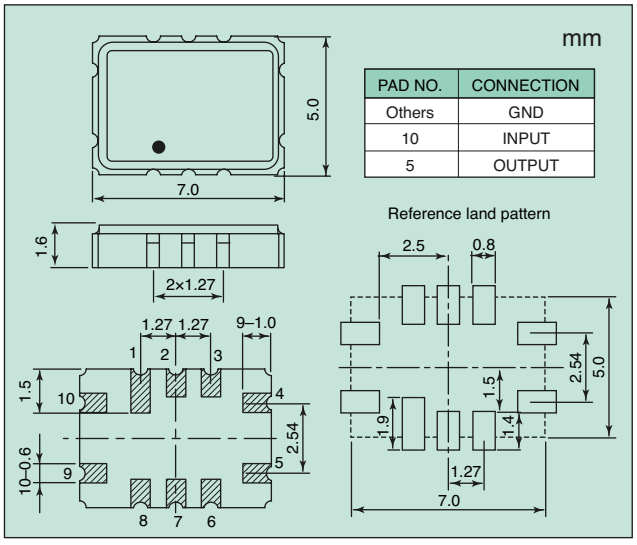
Pb Free

RoHS Compliant
Directive 2002/95/EC

■ Specifications

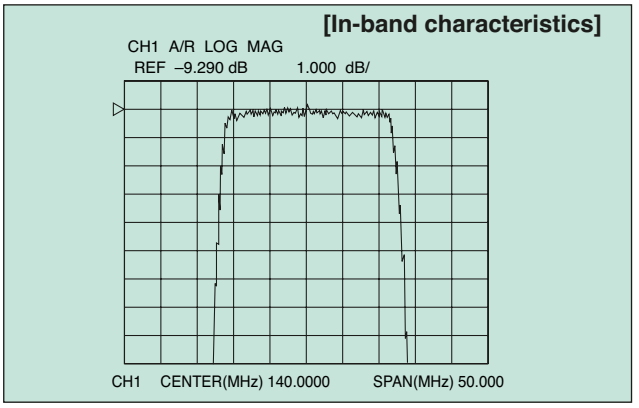
Model		WF748D0140CD		
Item		min.	typ.	max.
Nominal frequency : f0 (MHz)		–	140	–
Insertion loss at Fc		–	–	11
Passband width (rel to Fc)	1-dB passband width (MHz)	21	–	–
	3-dB passband width (MHz)	23.9	–	–
	35-dB passband width (In Band)(MHz)	–	–	34
	Ripple (@ Fc ±10MHz)(dB)	–	–	1.0
	Phase linearity (@ Fc ±10MHz)(deg)	–	–	14
	Group delay time ripple (@ Fc ±10MHz)(ns)	–	–	100
	Absolute delay time @ Fc (is)	–	0.76	–
Out Band (rel to Fc)	Guaranteed attenuation (dB) @ Fc–20MHz	40	–	–
	@ Fc+20MHz	33	–	–
Operating temperature range (°C)		23	–	27
Terminating impedance (Ω)		50 (with matching)		

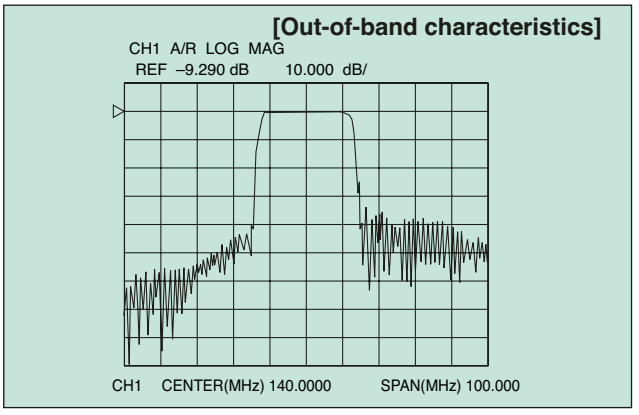
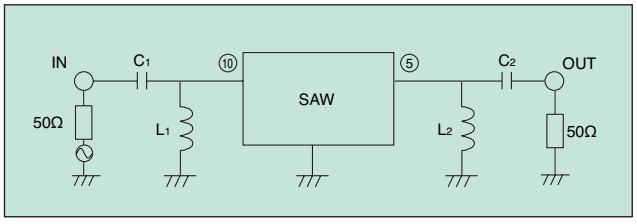
■ Dimensions



PAD NO.	CONNECTION
Others	GND
10	INPUT
5	OUTPUT

■ Characteristics





■ Matching Circuit