

WFA47C0140CD

For Fixed Communication

■ Features

- IF SAW filter for WiMAX base station.
- A filter with low insertion loss.
- Low pass-band ripple.
- Excellent guaranteed attenuation.

Pb
Free

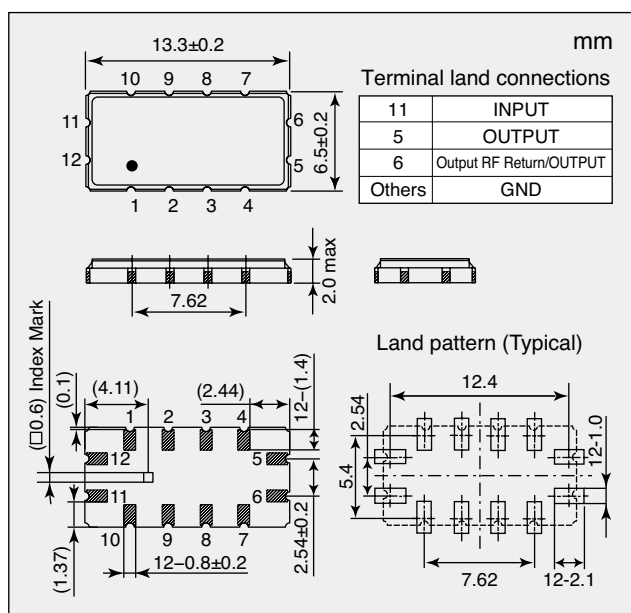
RoHS Compliant
Directive 2011/65/EU



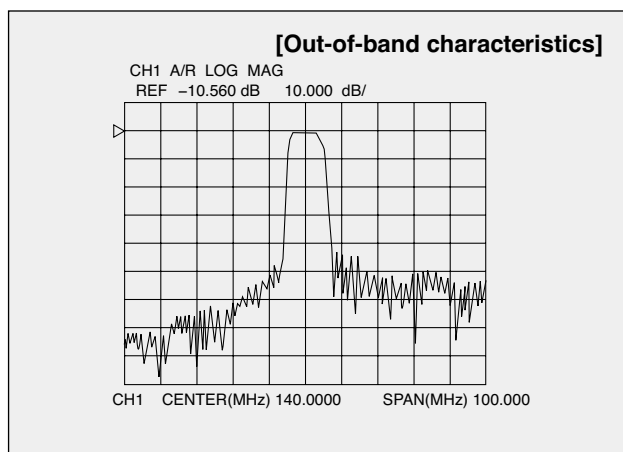
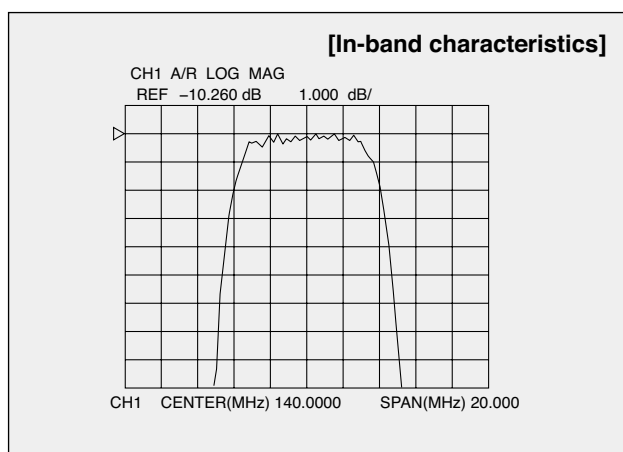
■ Specifications

Model	WFA47C0140CD		
Item	min.	typ.	max.
Nominal frequency : f ₀ (MHz)	–	140	–
Minimum insertion loss (dB)	–	10.6	12.5
1-dB passband width (MHz)	Relative minimum insertion loss	6.25	7.14
Passband ripple (dB)	f ₀ ±3.125 MHz	–	0.45
Guaranteed attenuation (dB) (from the minimum insertion loss)	f ₀ –50 MHz to f ₀ –8 MHz	40	46.8
	f ₀ +8 MHz to f ₀ +50 MHz	40	43.0
Operating temperature range (°C)	–10 to +60		
Terminating impedance (Single end) (Ω)	50		
Terminating impedance (Balanced) (Ω)	IN:50 / OUT:100		

■ Dimensions



■ Characteristics



■ Matching Circuit

