

## SAW Filter for WiMAX Base Station For Industrial Use

### ■ Features

- A filter with low insertion loss.
- Low pass-band ripple.
- Excellent guaranteed attenuation.

Pb Free

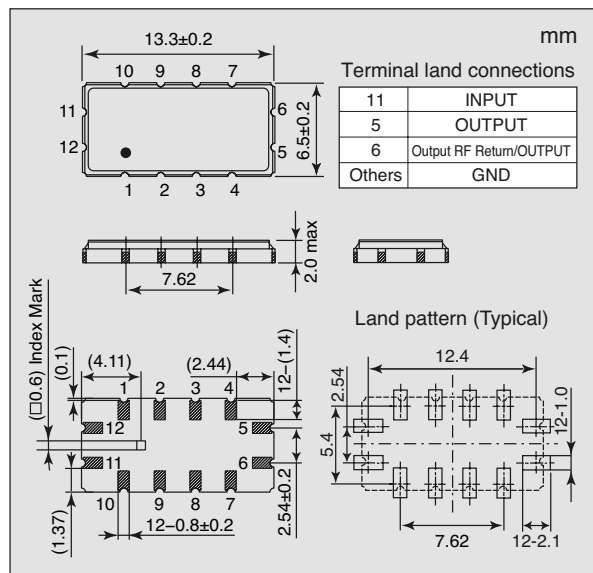
RoHS Compliant  
Directive 2002/95/EC



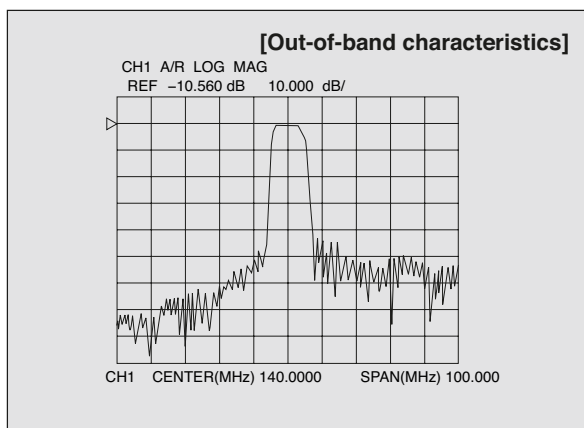
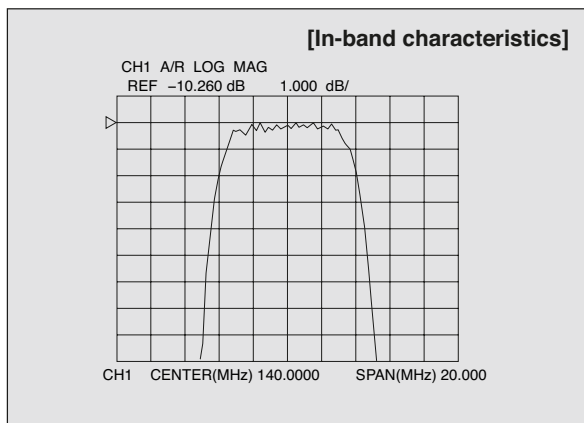
### ■ Specifications

Model	WFA47C0140CD			
Item	min.	typ.	max.	
Nominal frequency : f <sub>0</sub> (MHz)	-	140	-	
Minimal insertion loss (dB)	-	10.6	12.5	
1-dB passband width (MHz)	Relative minimum insertion loss	6.25	7.14	-
Passband ripple (dB)	f <sub>0</sub> ±3.125 MHz	-	0.45	1.0
Guaranteed attenuation (dB) (from the minimal insertion loss)	f <sub>0</sub> -50 MHz to f <sub>0</sub> -8 MHz	40	46.8	-
	f <sub>0</sub> +8 MHz to f <sub>0</sub> +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

