Crystal Filter

NDK Crystal Bridge to the Future

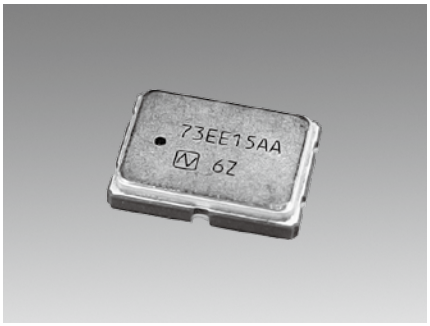
4 Pole SMD MCF (Surface-mount Type)

■ Features

This is a crystal filter that supports surface mounting.

Adoption of a ceramic container has enabled the dimensions of the filter to be 7×5×1.35 mm and characteristics of 4Pole.

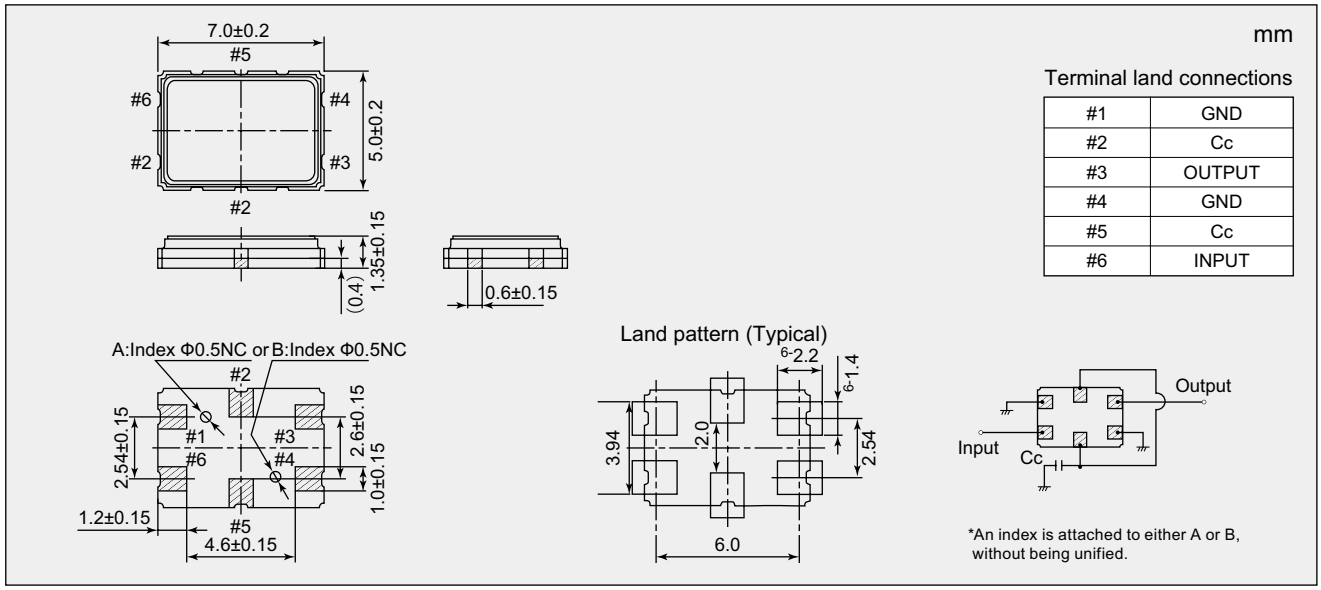
- Supports IR reflow and VSP. (Contact us for information on the temperature profile.)
- Supports surface mounting. (Packed with embossed tape)
- Excellent heat- and shock-resistance.



■ Specifications

Model	45EE7.5A	45EE15A	73EE15AA
Number of Poles	4		
Nominal Frequency	45 MHz		73.35 MHz
3 dB Passband Width	Min. ±3.75 kHz	Min. ±7.5 kHz	Min. ±7.5 kHz
Stop Bandwidth	Max. ±12.5 kHz at 20 dB	Max. ±22 kHz at 25 dB	Max. ±25 kHz at 30 dB
Ripple	Max. 1 dB	Max. 1 dB	Max. 1 dB
Insertion Attenuation (insertion Loss)	Max. 4 dB	Max. 3 dB	Max. 5 dB
Guaranteed Attenuation	Min. 80 dB at –900 kHz	Min. 80 dB at –910 kHz	Min. 80 dB at –910 kHz
Spurious Characteristics	Min. 40 dB Within ±1 MHz	Min. 40 dB Within ±1 MHz	Min. 30 dB Within ±1 MHz
Terminating Impedance	570 Ω // 2.9 pF Cc=11.2 pF	600 Ω // 2 pF Cc=10 pF	500 Ω // 3.5 pF Cc=7 pF
Operating Temperature Range	–20 to +70 °C		
Package Type	NM7050SE		
Specification Number	MN15-396	MN15-397	MN15-383

■ Dimensions



Please specify the model name, frequency, and specification number when you order products.
For further questions regarding specifications, please feel free to contact us.