

SURFACE MOUNT TYPE MCF

Compact, thin, 4 pole crystal filter for surface mounting with a built-in coupling condenser.

■ Features

- Ultra-small and thin (height 2.35mm)
- For surface mount (Emboss carries taping applicable)
- Coupling condenser is built-in (NM1170BA)
- Excellent shock resistance

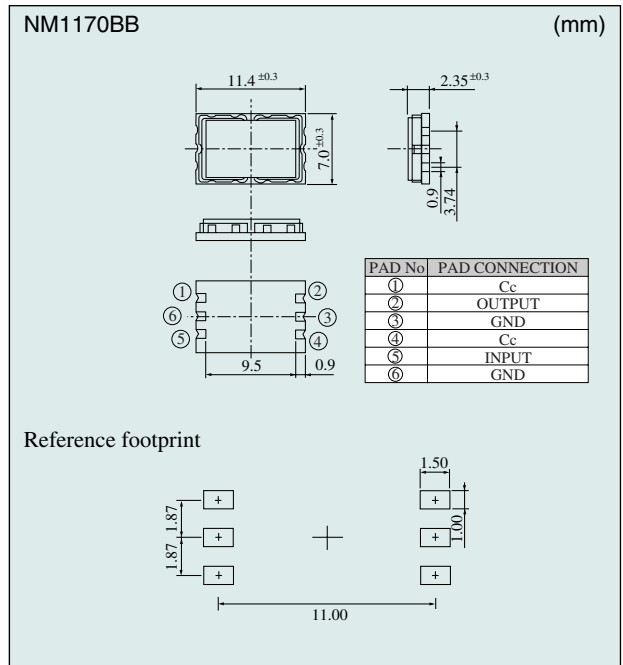
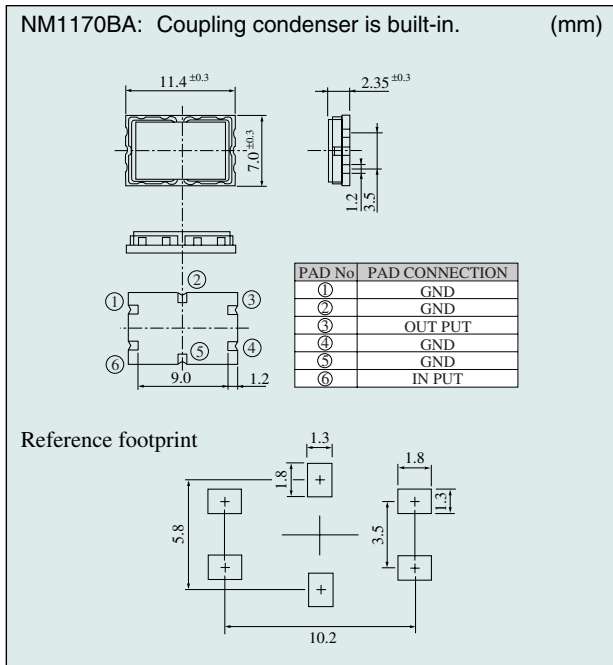
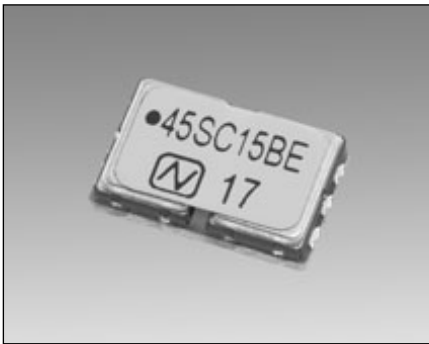
■ Precaution

- Both low-temperature reflow soldering and laser soldering will do (Please check with us about temperature profile).

■ Application Note

- External coupling condenser type is also available (Type: NM1170BB).

Model	45SC15BE	70SC20BA	90SC15B
Pole	4	4	4
Nominal Frequency	45MHz	70.05MHz	90MHz
3dB Pass Bandwidth	±7.5kHz min	±10kHz min	±7.5kHz min
Attenuation Bandwidth	±25kHz max at 35dB	±25kHz max at 20dB	±25kHz max at 25dB
Ripple	2dB max	1dB max	2dB max
Insertion Loss	5dB max (minimum loss)	4.5dB max (minimum loss)	8dB max (minimum loss)
Guaranteed Attenuation	F ₀ -910kHz 80dB min	F ₀ ±910kHz 70dB min	F ₀ -910kHz 75dB min
Spurious	50dB min	35dB min	40dB min
Terminating Impedance	650Ω//2pF	300Ω//2pF	310Ω//2pF
Operating Temp. Range	-20~+70°C	-20~+60°C	-20~+70°C
Type	NM1170BA, NM1170BB		



CRYSTAL FILTERS

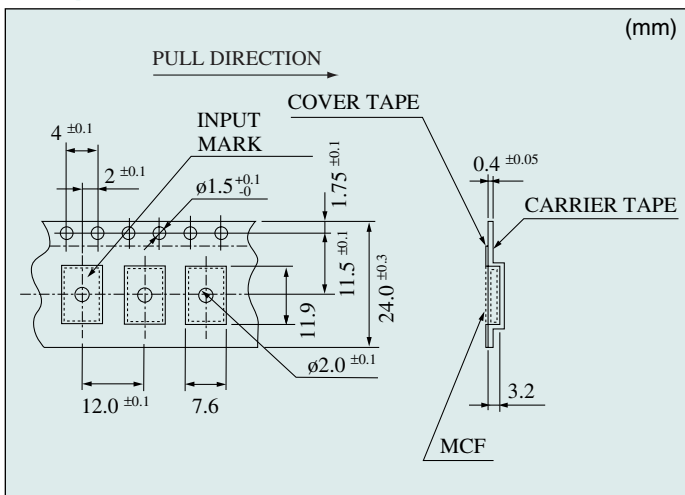
For MCA

SURFACE MOUNT TYPE MCF

- Standard package of other SMD items is tray package. (If quantity is enough, taping package is available.)
- Package type of small quantity lot and sample etc. is determined by quantity.
- Tape & Reel for taping package is as below.

■ Type: NM1170BA, NM1170BB
[4 pole]

■ Tape



■ Reel

