

## 45-90 MHz-Series MCF

Type: with a Built-in Transformer

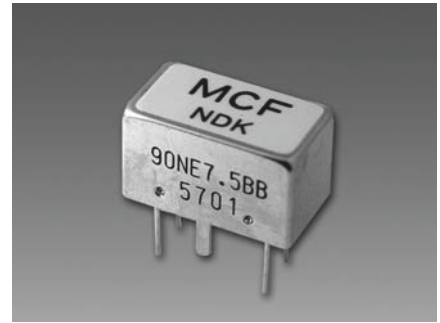
### ■ Features

Because this MCF has a built-in transformer, it is possible to match an input/output circuit with various impedance values.

- Stable temperature characteristics.
- This product can be manufactured according to your requested terminating impedance value.
- Because it has already been completely adjusted, no adjustment is needed before use.
- It can be manufactured with a wide frequency band.

### Caution

- Because it has a non-enclosed structure, it cannot be washed.

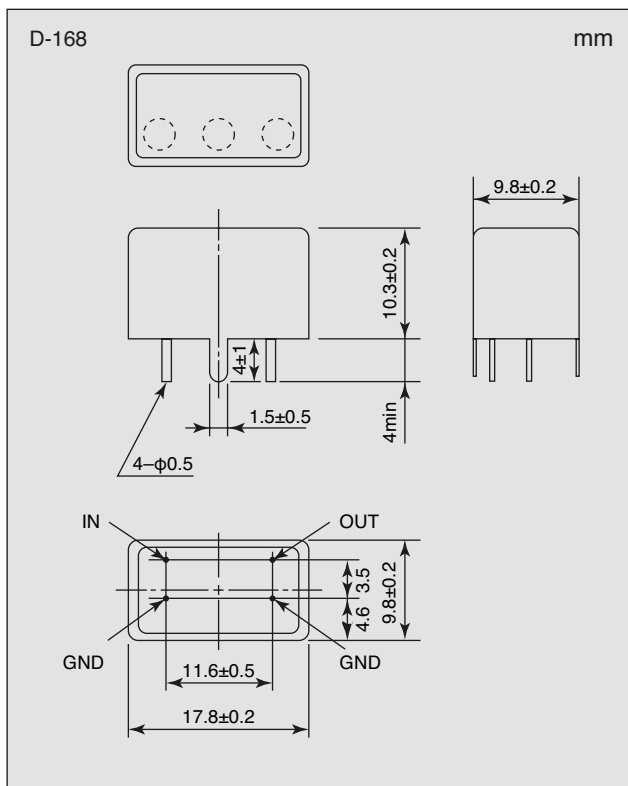


RoHS Compliant  
Directive 2002/95/EC

### ■ Specifications

Model	45NE7.5BB	45NE15BC	70NE7.5B	70NE15B	90NE7.5BB	90NE15BC
Number of poles	4					
Nominal frequency	45 MHz		70 MHz		90 MHz	
3 dB Passband width	±3.75 kHz	±7.5 kHz	±3.75 kHz	±7.5 kHz	±3.75 kHz	±7.5 kHz
Stop bandwidth	Max. ±12.5 kHz at 25 dB	Max. ±25 kHz at 30 dB	Max. ±12.5 kHz at 25 dB	Max. ±25 kHz at 30 dB	Max. ±12.5 kHz at 25 dB	Max. ±25 kHz at 30 dB
Ripple	Max. 2 dB					
Insertion loss (insertion attenuation)	Max. 6 dB					
Guaranteed attenuation	Min. 70 dB at ±910 kHz					
Spurious characteristics	Min. 30 dB Within ±1 MHz	Min. 20 dB Within ±1 MHz	Min. 30 dB Within ±1 MHz	Min. 20 dB Within ±1 MHz	Min. 30 dB Within ±1 MHz	Min. 20 dB Within ±1 MHz
Terminating impedance	50 Ω // 0 pF					
Operating temperature range	-20 to +70 °C					
Package type	D-168					
Ordering code	45NE7.5BB-45M-FN15-840	45NE15BC-45M-FN15-841	70NE7.5B-70M-FN15-842	70NE15B-70M-FN15-843	90NE7.5BB-90M-FN15-844	90NE15BC-90M-FN15-845

### ■ Dimensions



### ■ Characteristics

