

TR-1-4.5(3)

MCF

■ Features

Metal can leaded type crystal filter for ultra small package.

Suitable for various IF applications and exhibits superior characteristics.

Hermetic sealing by resistance welding

Now printing

Center frequency covers a range from 30 to 150MHz.

4-pole is available by pairing two units

■ Standard Specifications

| Model Name(Number of pole) | MF45NB2(4pole) | MF45RB2(4pole) | MF45RBE(4pole) |
|----------------------------|--|---|--|
| Nominal Frequency | 45.000 (MHz) | 45.000 (MHz) | 45.050 (MHz) |
| Pass Bandwidth | 3.0 (dB): $\pm 5.00\text{kHz}$ min. | 3.0 (dB): $\pm 7.50\text{kHz}$ min. | 3.0 (dB): $\pm 7.50\text{kHz}$ min. |
| Attenuation Bandwidth | 40.0 (dB): $\pm 20.0\text{kHz}$ max. | 30.0 (dB): $\pm 25.0\text{kHz}$ max. | 25.0 (dB): $\pm 22.0\text{kHz}$ max. |
| Pass-band Ripple | 1.0 max. (dB) | 1.0 max. (dB) | 1.0 max. (dB) |
| Insertion Attenuation | 4.0 max. (dB) | 3.0 max. (dB) | 4.0 max. (dB) |
| Guaranteed Attenuation | 85min. (dB) @ $f_0 - 910\text{kHz}$ | 80min. (dB) @ $f_0 \pm 910\text{kHz}$ | 80min. (dB) @ $f_0 \pm 910\text{kHz}$ |
| Terminating Impedance | 250(Ω)// 10.0(pF) $C_c=27.0(\text{pF})$ | 560(Ω)// 2.5(pF) $C_c=12.0(\text{pF})$ | 800(Ω)// 2.0(pF) $C_c=8.0(\text{pF})$ |

Products with specific requirements are available upon request

■ Outline Dimensions

