

On-Board Type (DC) EMI Suppression Filters (EMIFIL®)

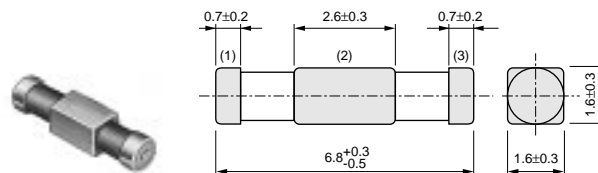
muRata

Chip EMIFIL® LC Combined Type for Large Current NFE61H Series

The T-type chip EMI Filter NFE61H series consists of a feedthrough capacitor and ferrite beads. Extending the operating conditions of NFE61P, NFE61H series can be used in an application set under severe operating conditions.

■ Features

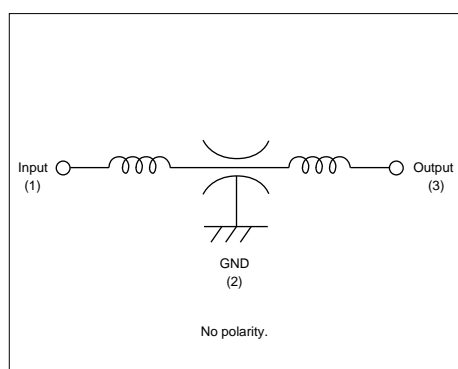
1. These filters have an extended operating temperature range of -55 to +125 degree C.
2. Its large rated current of 2A and low voltage drop due to small DC resistance are suitable for DC power line use.
3. The feedthrough capacitor realizes excellent high frequency characteristics.
4. The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits.
5. 33 to 3,300pF lineups can be used signal lines.



(in mm)

Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Insulation Resistance (min.) (M ohm)	Operating Temperature Range (°C)
NFE61HT330U2A9	33 +30%, -30%	100	2	1000	-55 to +125
NFE61HT680R2A9	68 +30%, -30%	100	2	1000	-55 to +125
NFE61HT101Z2A9	100 +30%, -30%	100	2	1000	-55 to +125
NFE61HT181C2A9	180 +30%, -30%	100	2	1000	-55 to +125
NFE61HT361C2A9	360 +20%, -20%	100	2	1000	-55 to +125
NFE61HT681D2A9	680 +30%, -30%	100	2	1000	-55 to +125
NFE61HT102F2A9	1000 +80%, -20%	100	2	1000	-55 to +125
NFE61HT332Z2A9	3300 +80%, -20%	100	2	1000	-55 to +125

■ Equivalent Circuit



■ Insertion Loss Characteristics (Typical)

