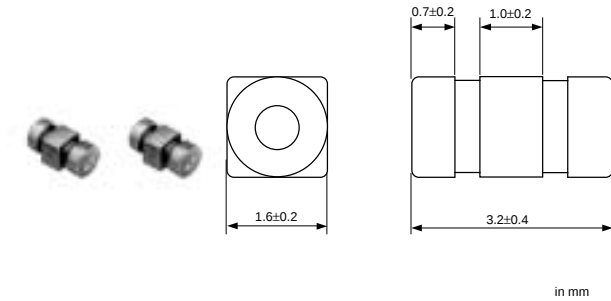


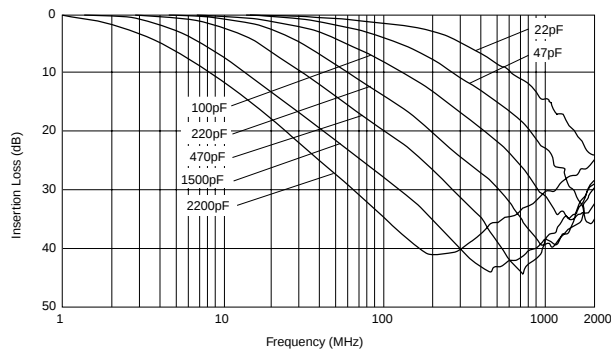
Chip EMIFIL® LC Combined Type

T Type EMIFIL®

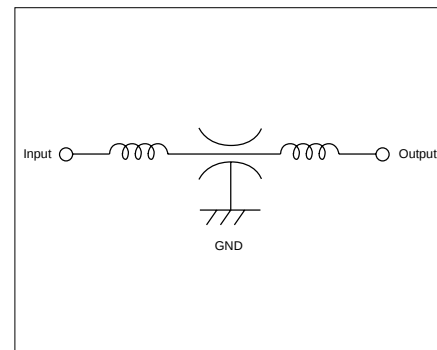
● NFE31P Series



IL of Main Items

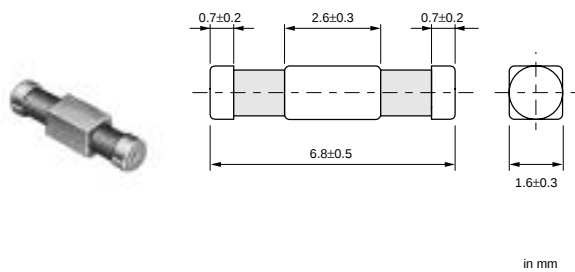


Equivalent Circuit



Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Insulation Resistance (M ohm)	Operating Temperature Range (°C)
NFE31PT220R1E9	22 +30%, -30%	25	6	1000 min.	-40 to 85
NFE31PT470C1E9	47 +50%, -20%	25	6	1000 min.	-40 to 85
NFE31PT101C1E9	100 +80%, -20%	25	6	1000 min.	-40 to 85
NFE31PT221D1E9	220 +50%, -20%	25	6	1000 min.	-40 to 85
NFE31PT471F1E9	470 +50%, -20%	25	6	1000 min.	-40 to 85
NFE31PT152Z1E9	1500 +50%, -20%	25	6	1000 min.	-40 to 85
NFE31PT222Z1E9	2200 +50%, -50%	25	6	1000 min.	-40 to 85

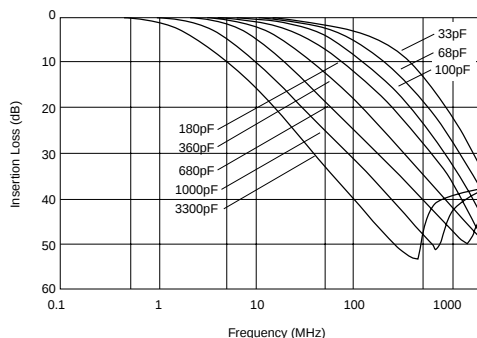
● NFE61P/NFE61H Series



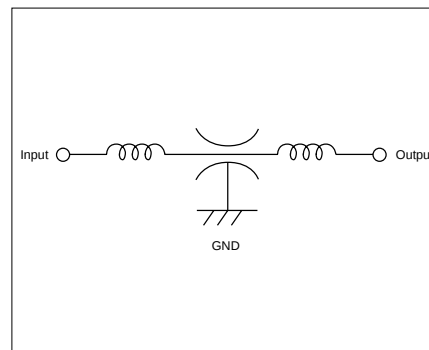
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IL of Main Items



Equivalent Circuit



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Noise Suppression Products/(EMIFIL®)

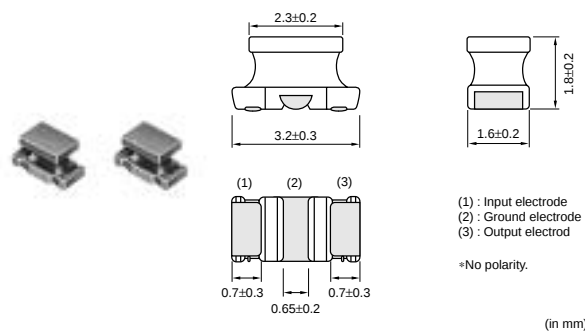
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Insulation Resistance (M ohm)	Operating Temperature Range (°C)
NFE61HT330U2A9	33 +30%, -30%	100	2	1000 min.	-55 to 125
NFE61PT330B1H9	33 +30%, -30%	50	2	1000 min.	-25 to 85
NFE61HT680R2A9	68 +30%, -30%	100	2	1000 min.	-55 to 125
NFE61PT680B1H9	68 +30%, -30%	50	2	1000 min.	-25 to 85
NFE61HT101Z2A9	100 +30%, -30%	100	2	1000 min.	-55 to 125
NFE61PT101Z1H9	100 +30%, -30%	50	2	1000 min.	-25 to 85
NFE61HT181C2A9	180 +30%, -30%	100	2	1000 min.	-55 to 125
NFE61PT181B1H9	180 +30%, -30%	50	2	1000 min.	-25 to 85
NFE61HT361C2A9	360 +20%, -20%	100	2	1000 min.	-55 to 125
NFE61PT361B1H9	360 +20%, -20%	50	2	1000 min.	-25 to 85
NFE61HT681D2A9	680 +30%, -30%	100	2	1000 min.	-55 to 125
NFE61PT681B1H9	680 +30%, -30%	50	2	1000 min.	-25 to 85
NFE61HT102F2A9	1000 +80%, -20%	100	2	1000 min.	-55 to 125
NFE61PT102E1H9	1000 +80%, -20%	50	2	1000 min.	-25 to 85
NFE61HT332Z2A9	3300 +80%, -20%	100	2	1000 min.	-55 to 125
NFE61PT472C1H9	4700 +80%, -20%	50	2	1000 min.	-25 to 85

Heavy duty NFE61HT series rated 100Vdc, have an extended operating temperature range from -55 to 125 °C.

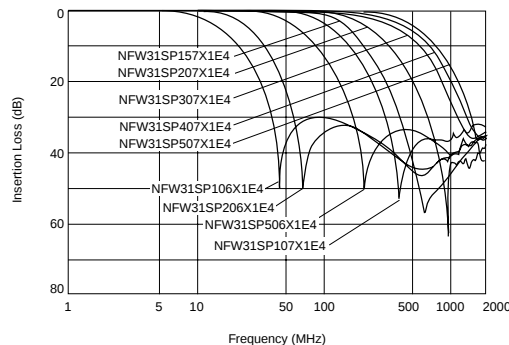
Chip EMIFIL® LC Combined Type

Winding Type

● for Signal Line NFW31S Series



IL of Main Items



Part Number	Nominal Cutoff Freq. (MHz)	Attenuation at 10MHz (dB)	Attenuation at 20MHz (dB)	Attenuation at 50MHz (dB)	Attenuation at 100MHz (dB)	Attenuation at 150MHz (dB)	Attenuation at 200MHz (dB)	Attenuation at 300MHz (dB)	Attenuation at 400MHz (dB)	Attenuation at 500MHz (dB)	Attenuation at 1000MHz (dB)
NFW31SP106X1E4	10	6 max.	5 min.	25 min.	25 min.	-	25 min.	-	-	30 min.	30 min.
NFW31SP206X1E4	20	-	6 max.	5 min.	25 min.	-	25 min.	-	-	30 min.	30 min.
NFW31SP506X1E4	50	-	-	6 max.	10 min.	-	30 min.	-	-	30 min.	30 min.

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Part Number	Nominal Cutoff Freq. (MHz)	Attenuation at 10MHz (dB)	Attenuation at 20MHz (dB)	Attenuation at 50MHz (dB)	Attenuation at 100MHz (dB)	Attenuation at 150MHz (dB)	Attenuation at 200MHz (dB)	Attenuation at 300MHz (dB)	Attenuation at 400MHz (dB)	Attenuation at 500MHz (dB)	Attenuation at 1000MHz (dB)
NFW31SP107X1E4	100	-	-	-	6 max.	-	5 min.	-	-	20 min.	30 min.
NFW31SP157X1E4	150	-	-	-	-	6 max.	-	10 min.	20 min.	30 min.	30 min.
NFW31SP207X1E4	200	-	-	-	-	-	6 max.	-	-	10 min.	30 min.
NFW31SP307X1E4	300	-	-	-	-	-	-	6 max.	-	5 min.	15 min.
NFW31SP407X1E4	400	-	-	-	-	-	-	-	6 max.	-	10 min.
NFW31SP507X1E4	500	-	-	-	-	-	-	-	-	6 max.	10 min.

Rated Current : 200mA Rated Voltage : 25Vdc Operating Temperature Range : -40°C to 85°C

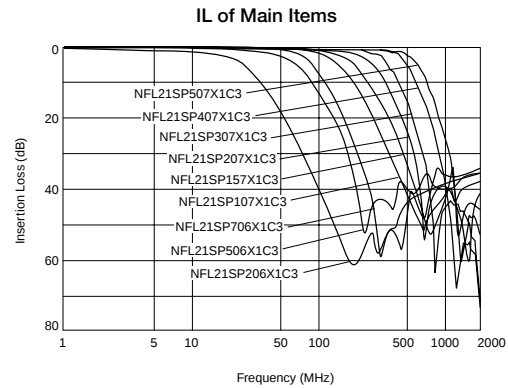
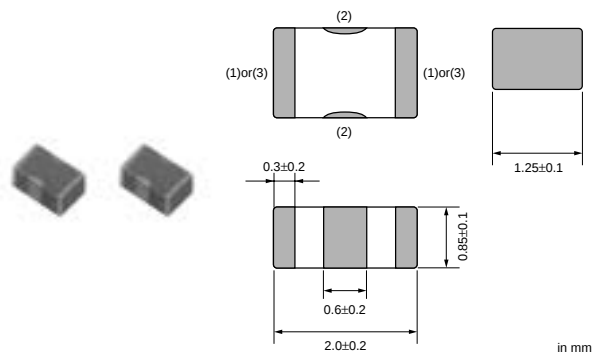
Chip EMIFIL® LC Combined Type

Monolithic Type

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Noise Suppression Products/(EMIFIL®)

● NFL21S Series



Part Number	Cut-off Frequency (MHz)	Capacitance (pF)	Inductance (nH)	Rated Voltage (Vdc)	Rated Current (mA)	Insulation Resistance (M ohm)	Operating Temperature Range (°C)
NFL21SP206X1C3	20	240 +20%,-20%	700 +20%,-20%	16	100	1000 min.	-55 to 125
NFL21SP506X1C3	50	84 +20%,-20%	305 +20%,-20%	16	150	1000 min.	-55 to 125
NFL21SP706X1C3	70	76 +20%,-20%	185 +20%,-20%	16	150	1000 min.	-55 to 125
NFL21SP107X1C3	100	44 +20%,-20%	135 +20%,-20%	16	200	1000 min.	-55 to 125
NFL21SP157X1C3	150	28 +20%,-20%	128 +20%,-20%	16	200	1000 min.	-55 to 125
NFL21SP207X1C3	200	22 +20%,-20%	72 +20%,-20%	16	250	1000 min.	-55 to 125
NFL21SP307X1C3	300	19 +20%,-20%	45 +20%,-20%	16	300	1000 min.	-55 to 125
NFL21SP407X1C3	400	16 +20%,-20%	34 +20%,-20%	16	300	1000 min.	-55 to 125
NFL21SP507X1C3	500	12 +20%,-20%	31 +20%,-20%	16	300	1000 min.	-55 to 125

Number of Circuits : 1