

LEAD TYPE LINE FILTER- LFU SERIES

UU TYPE & UT/ET TYPE

FEATURES (特徴)

-) High Impedance and Excellent Frequency Characteristic. (高阻抗並具有良好的頻率特性。)
-) Use UL-approved High-Resistance Insulation Material (94V-0). (採用符合UL認證的高絕緣阻抗材料(符合94V-0)。)
-) Low Magnetic Flux Leakage. (低漏磁電感。)

APPLICATIONS(應用)

-) Power switching , TV game, Monitor, Car recharger, etc. Design as Customer's Requested Specifications. 電源供應器、電動玩具、監視台、汽車充電器等。根據客戶需求設計

PRODUCT IDENTIFICATION

LFU

1 2 3 4 5

- 1) Product Series Code
- 2) Coils Dimension
- 3) Vertical Type or Horizontal Type
- 4) Rated Current(A)
- 5) Inductance

Note:

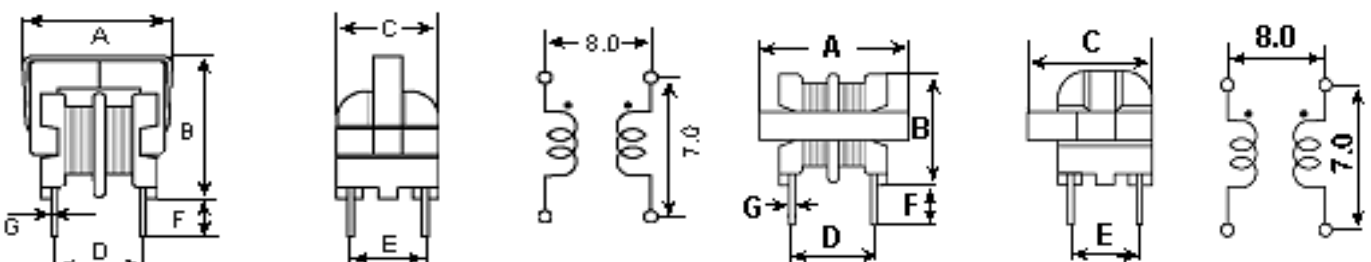
-) Inductance measurement condition: 1.0kHz, 1.0V
-) Insulation resistance: at 500VDC, more than 100MΩ (between lines).
-) Withstanding voltage: 2000VAC (one minute, between lines).
-) Rated voltage: 250VAC/VDC.
-) Operating temperature range (°C): -25 to T (T=120-temp. rise).
-) Thermal class: B (130°C).

Dimensions in mm LFE20立式[a→13(18), b→10(14)]

TYPE	A	B	C	D	E	F	G(ψ)
LFU09V	17 Max	17 Max	11 Max	8.0±0.5	7.0±0.5	4.0 Min	0.6
LFU09H	17 Max	12.5 Max	15.5 Max	8.0±0.5	7.0±0.5	4.0 Min	0.6
LFU10V	18 Max	16 Max	20 Max	13.5±0.5	10.0±0.5	4.0 Min	0.7
LFU10H	18 Max	16.5Max	19 Max	13.5±0.5	10.0±0.5	4.0 Min	0.7
LFU15V	23 Max	19Max	27.5 Max	13.5±0.5	10.0±0.5	4.0 Min	0.7
LFU15H	23 Max	26Max	22 Max	13.5±0.5	10.0±0.5	4.0 Min	0.7
LFE20V	22±1.0	14.5±1.0	a±0.5	b±0.5	21.5±1.0	3.5±1.0	0.8
LFE20H	21±1.0	20.5±1.0	a±0.5	b±0.5	16±1.0	3.5±1.0	0.8
LFE24V	26 Max	31.5 Max	19 Max	13.5±0.5	10.0±0.5	4.0±1.0	0.8
LFE24H	26 Max	21 Max	26 Max	21±0.5	15.0±0.5	4.0±1.0	0.8
LFE28V	30 Max	35.5Max	22 Max	13±0.5	10.5±0.5	4.0±1.0	0.8
LFE28H	30 Max	24.5 Max	30 Max	24±0.5	20.0±0.5	4.0±1.0	0.8

SHAPES AND DIMENSIONS

LFU09Horizontal Type(臥式):



LFU09Vertical Type(立式):

LEAD TYPE LINE FILTER- LFU SERIES

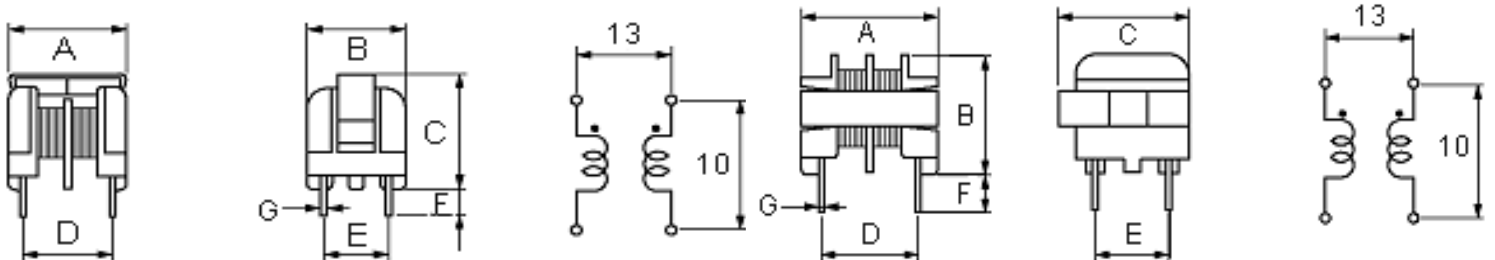
UU TYPE & UT/ET TYPE

LFU09V(H) SERIES

Part No.	Inductance (mH) Min	Rated current(A)	DCR (Ω /line)Max	Temperature (K)Max
LFU09V(H)-001-103	10.0	0.1	8.0	40
LFU09V(H)-002-802	8.0	0.2	6.0	40
LFU09V(H)-003-502	5.0	0.3	3.0	40
LFU09V(H)-005-202	2.0	0.5	1.0	40
LFU09V(H)-007-102	1.0	0.7	0.6	40
LFU09V(H)-010-501	0.5	1.0	0.3	40
LFU09V(H)-001-183	18.0	0.1	8.0	40
LFU09V(H)-002-143	14.0	0.2	6.0	40
LFU09V(H)-003-902	9.0	0.3	3.0	40
LFU09V(H)-005-342	3.4	0.5	1.0	40
LFU09V(H)-007-172	1.7	0.7	0.6	40
LFU09V(H)-010-801	0.8	1.0	0.3	40

SHAPES AND DIMENSIONS

LFU09Horizontal Type(臥式):



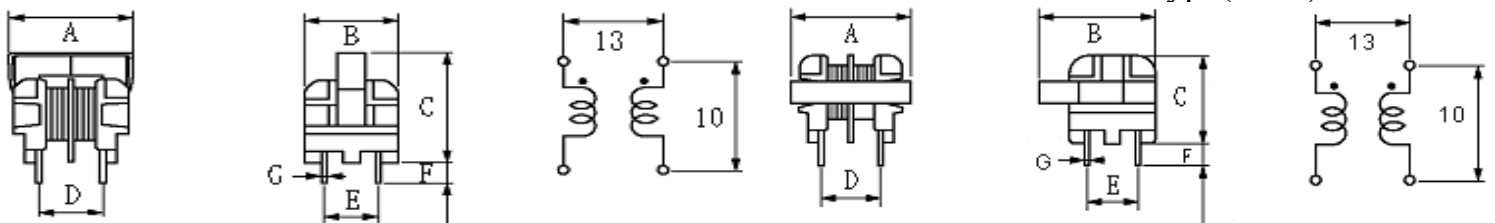
LFU10Vertical Type(立式):

LFU10V(H) SERIES

Part No.	Inductance (mH) Min	Rated current(A)	DCR (Ω /line)Max	Temperature (K)Max
LFU10V(H)-003-103	10.00	0.30	3.00	40
LFU10V(H)-005-502	5.00	0.30	2.00	40
LFU10V(H)-007-502	5.00	0.50	1.50	40
LFU10V(H)-010-402	4.00	0.70	1.00	40
LFU10V(H)-010-302	3.00	1.00	0.50	40
LFU10V(H)-010-202	2.00	1.00	0.50	40
LFU10V(H)-013-102	1.00	1.00	0.40	40
LFU10V(H)-013-102	1.00	1.30	0.30	40
LFU10V(H)-015-202	2.00	1.50	0.20	40
LFU10V(H)-020-601	0.60	2.00	0.15	40
LFU10V(H)-003-802	8.00	0.30	1.50	40
LFU10V(H)-005-502	5.00	0.50	1.00	40
LFU10V(H)-007-322	3.20	0.70	0.70	40
LFU10V(H)-010-202	2.00	1.00	0.45	40
LFU10V(H)-013-102	1.00	1.30	0.25	40
LFU10V(H)-015-601	0.60	1.30	0.15	40

SHAPES AND DIMENSIONS

LFU15Horizontal Type(臥式):



LFU15Vertical Type(立式):

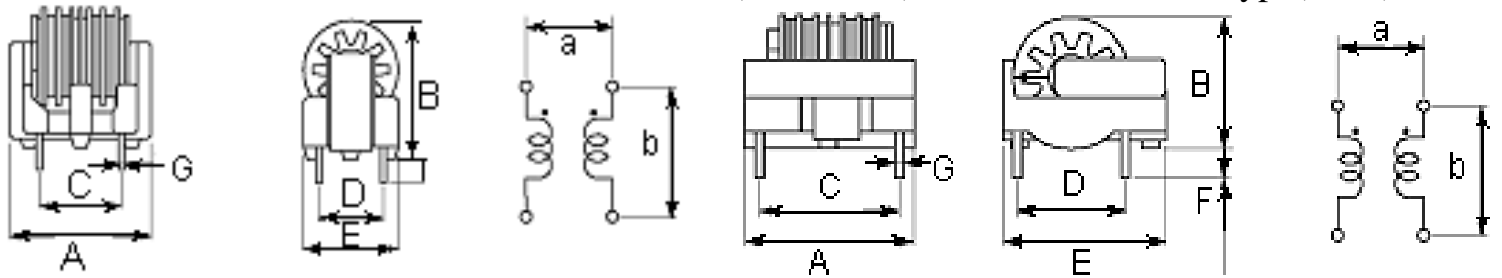
LEAD TYPE LINE FILTER- LFU SERIES

UU TYPE & UT/ET TYPE

LFU15V(H) SERIES

Part No.	Inductance (mH) Min	Rated current(A)	DCR (Ω /line)Max	Temperature (K)Max
LFU15V(H)-004-303	30.00	0.40	2.80	40
LFU15V(H)-005-203	20.00	0.50	1.60	40
LFU15V(H)-006-103	10.00	0.60	1.20	40
LFU15V(H)-008-802	8.00	0.80	0.80	40
LFU15V(H)-010-602	6.00	1.00	0.50	40
LFU15V(H)-010-402	4.00	1.00	0.40	40
LFU15V(H)-012-352	3.50	1.20	0.30	40
LFU15V(H)-015-152	1.50	1.50	0.15	40
LFU15V(H)-005-203	20.00	0.50	1.50	40
LFU15V(H)-007-103	10.00	0.70	0.80	40
LFU15V(H)-010-802	8.00	1.00	0.60	40
LFU15V(H)-012-502	5.00	1.20	0.40	40
LFU15V(H)-015-302	3.00	1.50	0.30	40
LFU15V(H)-018-102	1.00	1.80	0.20	40

SHAPES AND DIMENSIONS



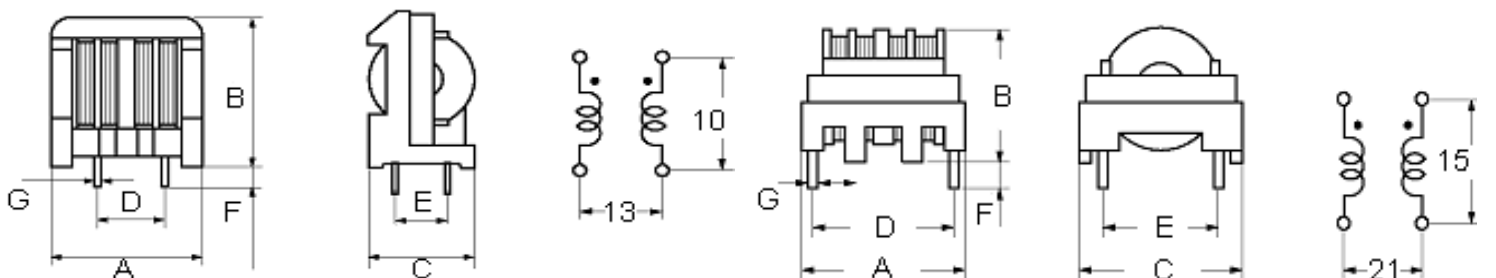
(a:18 b:14) LFE20Horizontal Type(卧式):

(a:13 b:10) LFE20Vertical Type(立式):

LFE20V(H) SERIES

Part No.	Inductance (mH) Min	Rated current(A)	DCR (Ω /line)Max	Temperature (K)Max
LFE20V(H)-003-553	55.00	0.30	4.100	45
LFE20V(H)-004-353	35.00	0.40	2.600	45
LFE20V(H)-005-233	23.00	0.50	1.800	45
LFE20V(H)-006-183	18.00	0.60	1.300	45
LFE20V(H)-007-123	12.00	0.70	0.900	45
LFE20V(H)-008-832	8.30	0.80	0.740	45
LFE20V(H)-010-622	6.20	1.00	0.440	45
LFE20V(H)-011-502	5.00	1.10	0.400	45
LFE20V(H)-013-352	3.50	1.30	0.280	45
LFE20V(H)-017-242	2.40	1.70	0.190	45
LFE20V(H)-022-132	1.30	2.20	0.120	45
LFE20V(H)-030-601	0.60	3.00	0.063	45

SHAPES AND DIMENSIONS



LFE24Vertical Type(立式):

LFE24Horizontal Type(卧式):

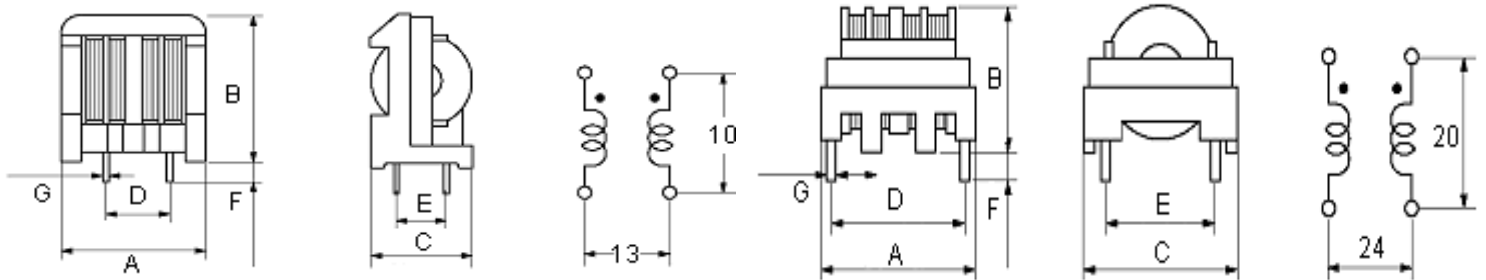
LEAD TYPE LINE FILTER- LFE SERIES

UU TYPE & UT/ET TYPE

LFE24V(H) SERIES

Part No.	Inductance (mH) Min	Rated current(A)	DCR (Ω /line)Max	Temperature (K)Max
LFE24V(H)-005-573	57.00	0.50	1.750	45
LFE24V(H)-007-323	32.50	0.70	1.000	45
LFE24V(H)-008-243	24.00	0.80	0.750	50
LFE24V(H)-010-163	16.50	1.00	0.550	45
LFE24V(H)-015-702	7.00	1.50	0.240	45
LFE24V(H)-018-552	5.50	1.80	0.210	45
LFE24V(H)-020-402	4.00	2.00	0.170	50
LFE24V(H)-005-603	60.00	0.50	1.750	45
LFE24V(H)-007-353	35.00	0.70	1.000	45
LFE24V(H)-008-253	25.00	0.80	0.750	50
LFE24V(H)-010-173	17.00	1.00	0.550	45
LFE24V(H)-015-802	8.00	1.50	0.240	45
LFE24V(H)-018-602	6.00	1.80	0.210	45
LFE24V(H)-020-452	4.50	2.00	0.170	50

SHAPES AND DIMENSIONS



LFE28 Vertical Type(立式):

LFE28 Horizontal Type(卧式):

LFE28V(H) SERIES

Part No.	Inductance (mH) Min	Rated current(A)	DCR (Ω /line)Max	Temperature (K)Max
LFE28V(H)-008-573	53.00	0.80	0.95	45
LFE28V(H)-010-323	41.00	1.00	0.65	45
LFE28V(H)-015-243	16.00	1.50	0.35	50
LFE28V(H)-020-163	12.00	2.00	0.22	45
LFE28V(H)-025-702	7.50	2.50	0.16	45
LFE28V(H)-008-552	60.00	0.80	0.95	45
LFE28V(H)-010-402	45.00	1.00	0.65	45
LFE28V(H)-015-603	17.00	1.50	0.35	50
LFE28V(H)-020-353	13.00	2.00	0.22	45
LFE28V(H)-025-253	8.00	2.50	0.16	45

LEAD TYPE LINE FILTER- TLF SERIES

DC LINE FILTER TLF SERIES 直流線性濾波器

FEATURES (特徵)

- 1, High Impedance and Excellent Frequency Characteristic.(高阻抗並具有良好的頻率特性。)
- 2, Self electromagnetic shielding.(自我的磁遮蔽。)
- 3, Low Magnetic Flux Leakage.(低漏磁電感。)

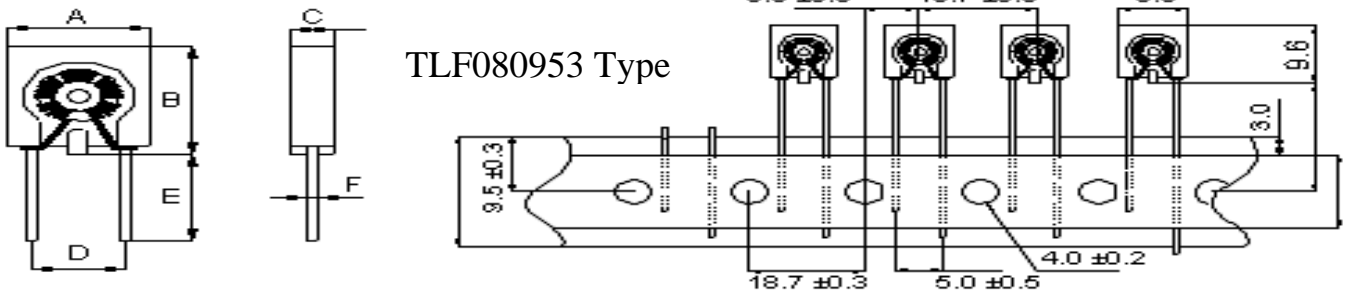
APPLICATIONS(應用)

EMI countermeasures at signal lines of personal computers, microcomputers, peripheral devices, Countermeasures against common-mode noise at composite at video signals. 抑制來自於個人電腦、微型電子計，外圍設備等信號線之電磁干擾以及視頻合成之共模噪音。

Dimensions in mm

TYPE	A	B	C	D	E	F(ψ)	G
TLF080953	8.0 Max	9.5 Max	3.5 Max	4.8±0.5	9.0±0.5	0.6	**
TLF060975	6.4 Max	9.0 Max	7.5 Max	5.08±0.5	2.54±0.3	0.6	4.5±1.0
TLF071175	7.5Max	11.0Max	7.5 Max	7.5±0.5	5.0±0.5	4-0.6	3.5±1.0
TLF101212	10.5 Max	12.5Max	11.7 Max	7.5±0.3	10.2±0.3	0.7	**

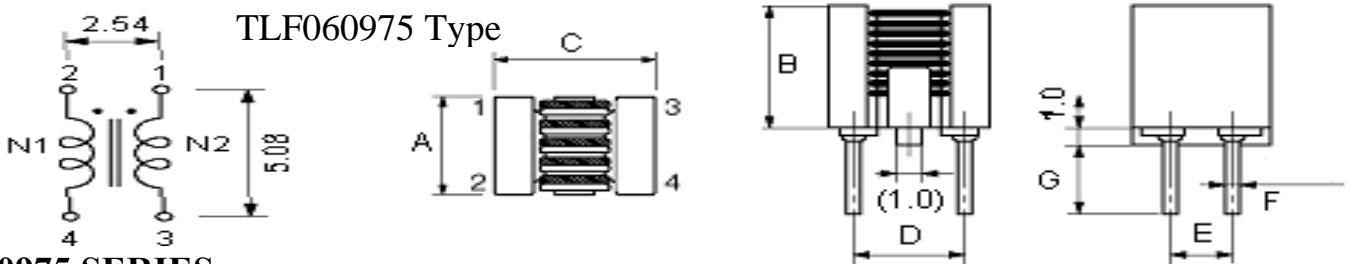
SHAPES AND DIMENSIONS



TLF080953 SERIES

Part No.	Rated current (mA)	Rated Voltage (A) DC(V)	Inductance (1KHz/70mA) uH	DCR (Ω/line)Max
TLF080953-8R2	500.00	50.00	8.2±50%	20
TLF080953-100	500.00	50.00	10.0±50%	20
TLF080953-390	500.00	50.00	39.0±50%	34
TLF080953-600	500.00	50.00	60.0±50%	50

SHAPES AND DIMENSIONS



TLF060975 SERIES

Part No.	Rated current (mA)	Rated Voltage (A) DC(V)	Inductance (1KHz/70mA) uH	DCR (Ω/line)Max
TLF060975-5R0	500.00	50.00	5.0Min	30
TLF060975-400	500.00	50.00	40.0±35%	40
TLF060975-600	500.00	50.00	60.0±35%	45
TLF060975-800	500.00	50.00	80.0±35%	55

NOTE:

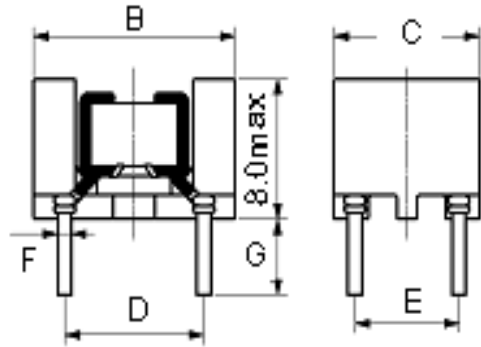
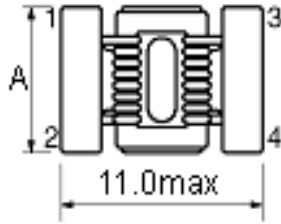
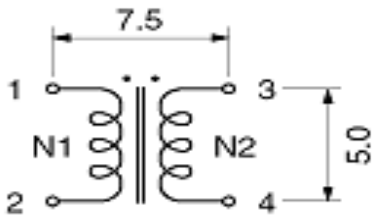
- OPENING TEMPERATURE RATED -25°C to +70°C
- WITHSTANDING VOLTAGE : 200VDC(ONE MINUTE,BETWEEN LINES).
- INSULATION RESISTANCE : MORE THAN 10MΩ(100VDC,BETWEEN LINES).

LEAD TYPE LINE FILTER- TLF SERIES

DC LINE FILTER TLF SERIES 直流線性濾波器

SHAPES AND DIMENSIONS

TLF060975 Type



TLF071175 SERIES

Part No.	Rated current (mA)	Rated Voltage (A) DC(V)	Inductance (Min) (100KHz/1.0mA)	DCR (Ω/line)Max
TLF071175-6R7	300.00	50.00	6.75	20
TLF071175-7R7	300.00	50.00	7.70	30
TLF071175-120	300.00	50.00	12.00	45
TLF071175-270	300.00	50.00	27.00	200

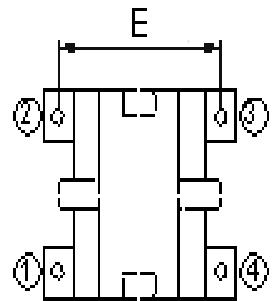
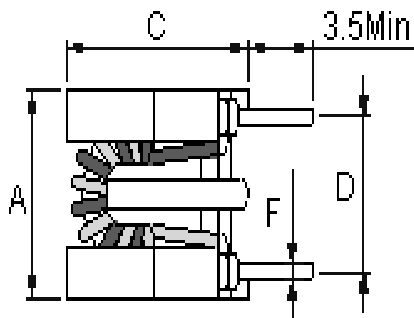
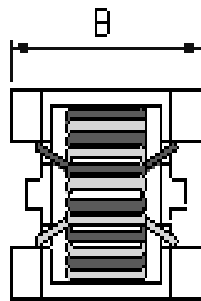
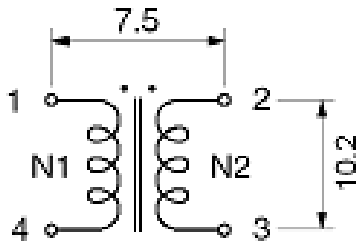
NOTE:

WIRE SIZE: 0.40(ψ)

WITHSTANDING VOLTAGE : 200VDC(ONE MINUTE,BETWEEN LINES).

INSULATION RESISTANCE : MORE THAN 10MΩ(100VDC,BETWEEN LINES).

SHAPES AND DIMENSIONS



TLF101212 Type

TLF101212 SERIES

Part No.	Rated current (mA)	Rated Voltage (A) DC(V)	Inductance (Min) (100KHz/1.0mA)	DCR (Ω/line)Max
TLF101212-9R0	300.00	150.00	9.0±35%	18
TLF101212-120	300.00	150.00	12.0±35%	22
TLF101212-150	300.00	150.00	15.0±35%	25
TLF101212-180	300.00	150.00	18.0±35%	28
TLF101212-270	300.00	150.00	27.0±35%	30

NOTE:

WIRE SIZE: 0.40(ψ)

WITHSTANDING VOLTAGE : 200VDC(ONE MINUTE,BETWEEN LINES).

INSULATION RESISTANCE : MORE THAN 10MΩ(100VDC,BETWEEN LINES).