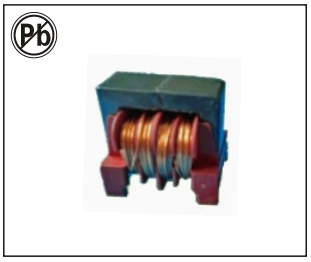
COMMON MODE CHOKES

LFU26 SERIES



FEATURES:

- 1A to 3A ratings,low temperature rise
- 3.3mH to 30mH dual chokes
- Excellent Mechanical Strength
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

APPLICATIONS:

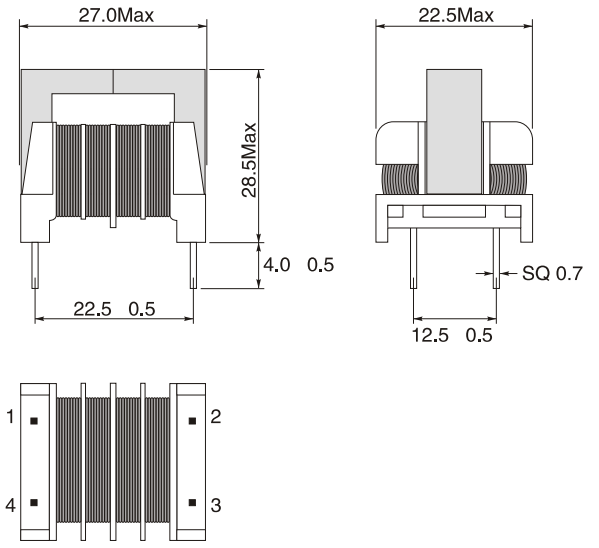
- EMC/EMI suppressors
- Suitable for all kinds of 100 ~ 500W power supply, electronic ballasts, LED power supply

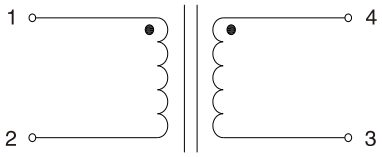
ELECTRICAL CHARACTERISTICS@25℃

Part Number	Inductance (mH) +50%/–30%	Test condition	Wire (mm)	IDC (A)Max
LFU26–332Y	3.3	10KHz,0.05V	ϕ0.1*60P	3.0
LFU26–682Y	6.8	10KHz,0.05V	ϕ0.65	2.8
LFU26–153Y	15	10KHz,0.05V	ϕ0.65	2.1
LFU26–253Y	25	10KHz,0.05V	ϕ0.5	1.2
LFU26–303Y	30	10KHz,0.05V	ϕ0.4	1.0

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Dimensions(mm)





- Inductance Testing: 10KHz 0.05V HP4284A
- Test conditions of Electrical Properties: +25℃, 33% RH if not specified differently
- Rated Current:The current when temperature of coil increases up to Max. △T=40℃ (Ta=25℃)
- It is recommended that the temperature of the component does not exceed +125℃ under worst case conditions
- Operating temperature: –50℃ to +110℃
- Storage Temperature: –20℃℃ to +60℃
- Hi–Pot: 1000Vac/50Hz,3mA,1min. Winding to Winding
- Insulation Resistance: 100 MΩ Min when DC 500V between Winding to Winding
- Due to the limited space, the catalogue shows the typical specifications only. For more Specific details (characteristics graph, reliability, and others)
- Acceptable customers design custom

COMMON MODE CHOKES

LFU28 SERIES

FEATURES:

- 0.3A to 0.8A ratings,low temperature rise
- 3.3mH to 30mH dual chokes
- Excellent Mechanical Strength
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

APPLICATIONS:

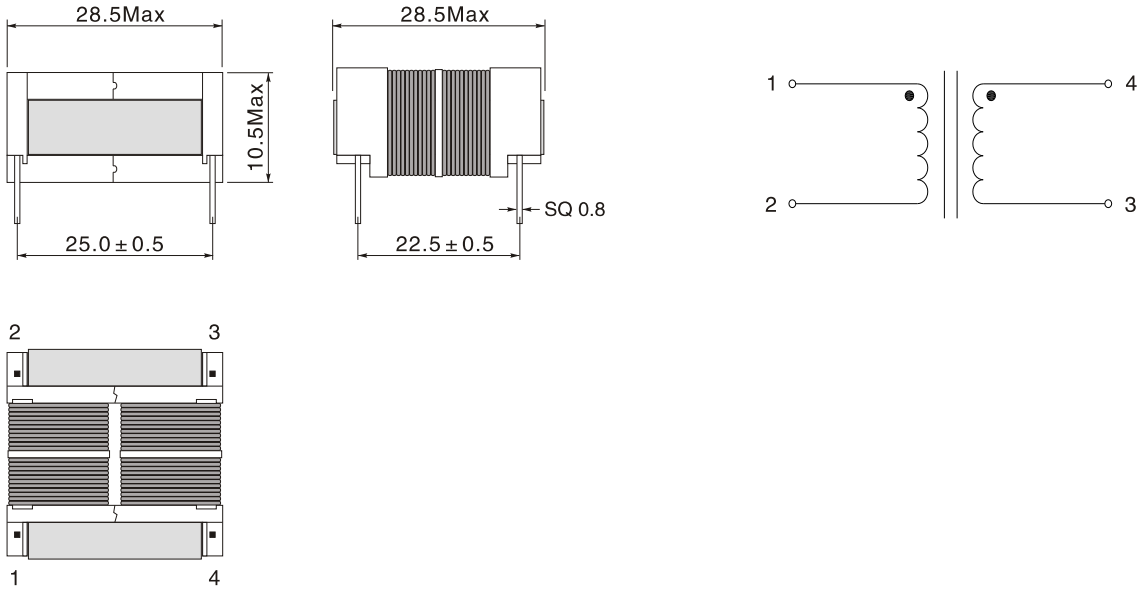
- EMC/EMI suppressors
- Suitable for all kinds of 100 ~ 250W power supply, electronic ballasts, LED power supply

ELECTRICAL CHARACTERISTICS@25℃

Part Number	Inductance (mH) +50%/–30%	Test condition	Wire (mm)	IDC (A)Max
LFU28–332Y	3.3	10KHz,0.05V	ϕ0.4	0.8
LFU28–682Y	6.8	10KHz,0.05V	ϕ0.35	0.6
LFU28–153Y	15	10KHz,0.05V	ϕ0.32	0.5
LFU28–253Y	25	10KHz,0.05V	ϕ0.28	0.4
LFU28–303Y	30	10KHz,0.05V	ϕ0.25	0.3

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Dimensions(mm)



- Inductance Testing: 10KHz 0.05V HP4284A
- Test conditions of Electrical Properties: +25℃, 33% RH if not specified differently
- Rated Current:The current when temperature of coil increases up to Max. △T=40℃ (Ta=25℃)
- It is recommended that the temperature of the component does not exceed +125℃ under worst case conditions
- Operating temperature: –50℃ to +110℃
- Storage Temperature: –20℃℃ to +60℃
- Hi–Pot: 1000Vac/50Hz,3mA,1min. Winding to Winding
- Insulation Resistance: 100 MΩ Min when DC 500V between Winding to Winding
- Due to the limited space, the catalogue shows the typical specifications only. For more Specific details (characteristics graph, reliability, and others)
- Acceptable customers design custom

COMMON MODE CHOKES

LFUR17 SERIES

FEATURES:

- High inductance with low resistance
- High pulse–handling capability
- Industry best inductance/rated current ratio
- Suitable for wave soldering

APPLICATIONS:

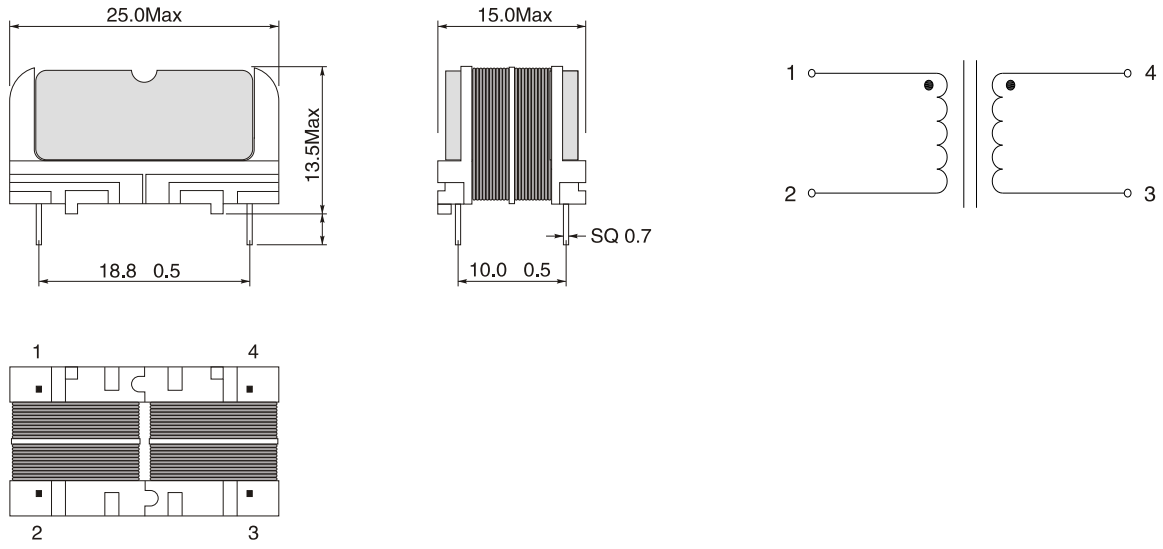
- Electronic ballasts for lamps
- High power switch–mode power suppliesfor consumer electronics

ELECTRICAL CHARACTERISTICS@25℃

Part Number	Inductance (mH) +50%/–30%	Test condition	DCR (mΩ)Max	IDC (A)Max
LFUR17–332Y	3.3	1KHz,0.25V	120	2.5
LFUR17–103Y	10	1KHz,0.25V	312	1.65
LFUR17–153Y	15	1KHz,0.25V	520	1.32
LFUR17–273Y	27	1KHz,0.25V	1000	0.92
LFUR17–393Y	39	1KHz,0.25V	1450	0.85
LFUR17–473Y	47	1KHz,0.25V	1650	0.75
LFUR17–683Y	68	1KHz,0.25V	1950	0.62
LFUR17–783Y	78	1KHz,0.25V	2500	0.58
LFUR17–104Y	100	1KHz,0.25V	3500	0.45

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Dimensions(mm)



- Inductance Testing: 1.0KHz 0.25V HP4284A
- Test conditions of Electrical Properties: +25℃, 33% RH if not specified differently
- Temperature Rise 55℃ Max
- It is recommended that the temperature of the component does not exceed +125℃ under worst case conditions
- Operating temperature: –40℃ to +85℃
- Storage Temperature: –20℃℃ to +60℃
- Hi–Pot: 1500Vac/50Hz,3mA,2S Winding to Core
  2500Vac/50Hz,3mA,2S Winding to Winding
- Acceptable customers design custom