

Leaded Inductor Common Mode Filter

LIF Series

MERITEK











PART NUMBERING SYSTEM

LI F 2424 272 FVS
(1) (2) (3) (4) (5)



| No | Item | Digit | Description | Series Reference |
|-----|----------------|-------|------------------------------------|------------------------------------|
| (1) | Meritek Series | LI | Leaded Inductor | |
| (2) | Type | F | F: Common Mode Filter | |
| (3) | Dimension | 2424 | 2424: Dimension 26.0x18.0x30.0(mm) | Footprint information or Size Code |
| (4) | Inductance | 272 | 272: 2.7mH | 392:3.9mH, 103: 10mH |
| (5) | Package Code | FVS | FVS: Common Mode Filter | Package Reference Code |

PACKAGE CODE REFERENCE TABLE

| LI Series | Type | Package Code | Picture | Inductance (mH) | Rated Current (A) | Size LxWxH (mm) |
|-----------|--------------------|-----------------------------|---|-----------------|-------------------|------------------|
| LIF | Common Mode Filter | LIF2424-FVS |  | 2.7~120 | 2.0~0.3 | 26.0 x18.0 x30.0 |
| LIF | Common Mode Filter | LIF2828-FVS |  | 3.3~120 | 3.0~0.5 | 31.0 x22.0 x35.5 |
| LIF | Common Mode Filter | LIF3535-FVS |  | 2.2~30 | 4.5~1.5 | 37.5 x25.0 x43.5 |
| LIF | Common Mode Filter | LIF2424-FHS |  | 2.7~120 | 2.0~0.3 | 26.0 x26.0 x21.0 |
| LIF | Common Mode Filter | LIF2828-FHS |  | 3.3~120 | 3.0~0.5 | 29.5 x29.5 x24.5 |
| LIF | Common Mode Filter | LIF2014-FVX |  | 1.0~33 | 2.0~0.3 | 22.0 x18.0 x23.0 |
| LIF | Common Mode Filter | LIF0914-FVU |  | 0.2~40 | 2.0~0.1 | 16.5 x11.0 x17.0 |
| LIF | Common Mode Filter | LIF1016-FVU |  | 1.0~20 | 2.9~0.5 | 19.0 x17.0 x22.0 |
| LIF | Common Mode Filter | LIF1520-FVU |  | 8.0~10 | 1.2~1.0 | 23.0 x19.0 x27.5 |
| LIF | Common Mode Filter | LIF0914-FHU |  | 0.2~40 | 2.0~0.1 | 16.0 x16.5 x13.0 |

Leaded Inductor Common Mode Filter

LIF Series

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LIF-FVS PACKAGE

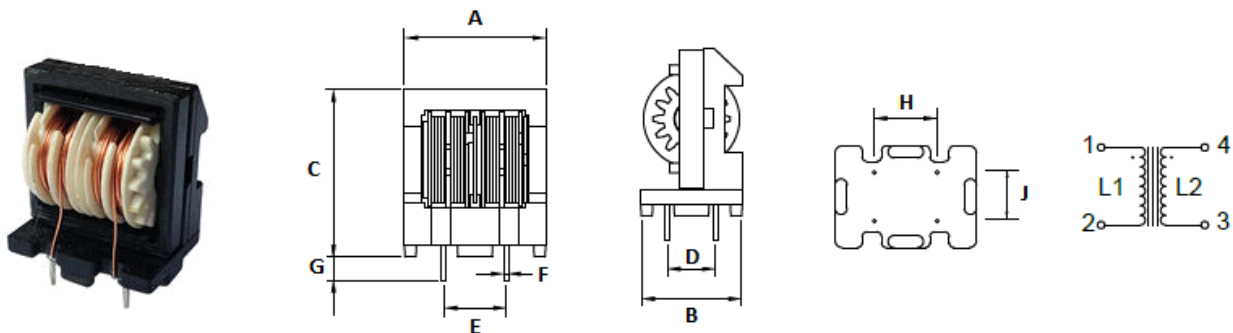
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LI F 2424 272 FVS
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| No | Item | Digit | Description | Series Reference |
|-----|----------------|-------|------------------------------------|------------------------------------|
| (1) | Meritek Series | LI | Leaded Inductor | |
| (2) | Type | F | F: Common Mode Filter | |
| (3) | Dimension | 2424 | 2424: Dimension 26.0x18.0x30.0(mm) | Footprint information or Size Code |
| (4) | Inductance | 272 | 272: 2.7mH | 392: 3.9mH |
| (5) | Package Code | FVS | FVS: Common Mode Filter | Package Reference Code |

DIMENSION



Unit: mm

| Package | A | B | C | D | E | F | G | H | J |
|---------|-----------|-----------|-----------|----------|----------|-----|---------|------|------|
| 2424 | 26.0 Max. | 18.0 Max. | 30.0 Max. | 10.0±0.5 | 13.0±0.5 | 0.8 | 4.5 | 13.0 | 10.0 |
| 2828 | 31.0 Max. | 22.0 Max. | 35.5 Max. | 10.0±0.5 | 13.0±0.5 | 0.8 | 5.0 | 13.0 | 10.0 |
| 3535 | 37.5 Max. | 25.0 Max. | 43.5 Max. | 15.0±0.5 | 21.0±0.5 | 1.2 | 4.0±1.0 | 21.0 | 15.0 |

ELECTRICAL CHARACTERISTICS

LIF2424 - FVS Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|--------------|-------------------|
| 272 | 2.7 | 0.15 | 2.0 |
| 392 | 3.9 | 0.22 | 1.7 |
| 682 | 6.8 | 0.40 | 1.3 |
| 103 | 10 | 0.50 | 1.0 |
| 203 | 20 | 0.90 | 0.8 |
| 253 | 25 | 1.00 | 0.7 |
| 333 | 33 | 1.60 | 0.6 |
| 603 | 60 | 3.00 | 0.5 |
| 803 | 80 | 3.80 | 0.4 |
| 124 | 120 | 6.50 | 0.3 |

Notes:

- Inductance measurement condition: 1KHz at 25°C.
- Withstanding voltage: 1.5KV, one minute between line.
- Temperature rise: 45°C max.

[Return to LIF-FVS Package](#)

Leaded Inductor Common Mode Filter

LIF Series

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LIF2828 - FVS Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|-----------------------|-------------------|
| 332 | 3.3 | 0.12 | 3.0 |
| 562 | 5.6 | 0.16 | 2.5 |
| 802 | 8.0 | 0.16 | 2.0 |
| 163 | 16 | 0.40 | 1.5 |
| 393 | 39 | 0.65 | 1.0 |
| 453 | 45 | 0.80 | 0.9 |
| 603 | 60 | 1.00 | 0.8 |
| 683 | 68 | 1.50 | 0.7 |
| 963 | 96 | 2.00 | 0.6 |
| 124 | 120 | 2.50 | 0.5 |

LIF3535 - FVS Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|-----------------------|-------------------|
| 222 | 2.2 | 0.06 | 4.5 |
| 332 | 3.3 | 0.08 | 4.0 |
| 562 | 5.6 | 0.10 | 3.5 |
| 822 | 8.2 | 0.12 | 3.0 |
| 103 | 10 | 0.15 | 2.7 |
| 123 | 12 | 0.20 | 2.5 |
| 173 | 17 | 0.28 | 2.0 |
| 223 | 22 | 0.40 | 1.8 |
| 303 | 30 | 0.48 | 1.5 |

Notes:

1. Inductance measurement condition: 1KHz at 25°C.
2. Withstanding voltage: 1.5KV, one minute between line.
3. Temperature rise: 45°C max.

[Return to LIF-FVS Package](#)

Leaded Inductor Common Mode Filter

LIF Series

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LIF-FHS PACKAGE

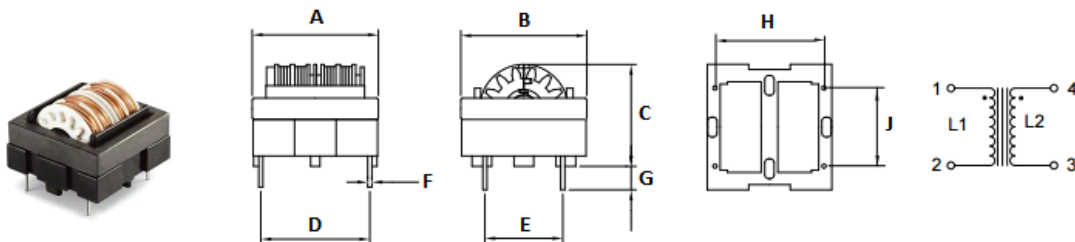
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PART NUMBERING SYSTEM

LI F 2424 272 FHS
(1) (2) (3) (4) (5)

| No | Item | Digit | Description | Series Reference |
|-----|----------------|-------|------------------------------------|------------------------------------|
| (1) | Meritek Series | LI | Leaded Inductor | |
| (2) | Type | F | F: Common Mode Filter | |
| (3) | Dimension | 2424 | 2424: Dimension 26.0x26.0x21.0(mm) | Footprint information or Size Code |
| (4) | Inductance | 272 | 272: 2.7mH | 392: 3.9mH |
| (5) | Package Code | FHS | FHS: Common Mode Filter | Package Reference Code |

DIMENSION



Unit: mm

| Package | A | B | C | D | E | F | G | H | J |
|---------|-----------|-----------|-----------|----------|----------|-----|---------|------|------|
| 2424 | 26.0 Max. | 26.0 Max. | 21.0 Max. | 21.0±0.5 | 15.0±0.5 | 0.8 | 4.0±1.0 | 21.0 | 15.0 |
| 2828 | 29.5 Max. | 29.5 Max. | 24.5 Max. | 24.0±0.5 | 20.0±0.5 | 0.8 | 4.0±1.0 | 24.0 | 20.0 |

ELECTRICAL CHARACTERISTICS

LIF2424 - FHS Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|--------------|-------------------|
| 272 | 2.7 | 0.15 | 2.0 |
| 392 | 3.9 | 0.22 | 1.7 |
| 682 | 6.8 | 0.40 | 1.3 |
| 103 | 10 | 0.50 | 1.0 |
| 203 | 20 | 0.90 | 0.8 |
| 253 | 25 | 1.00 | 0.7 |
| 333 | 33 | 1.60 | 0.6 |
| 603 | 60 | 3.00 | 0.5 |
| 803 | 80 | 3.80 | 0.4 |
| 124 | 120 | 6.50 | 0.3 |

LIF2828 - FHS Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|--------------|-------------------|
| 332 | 3.3 | 0.12 | 3.0 |
| 562 | 5.6 | 0.16 | 2.5 |
| 802 | 8.0 | 0.16 | 2.0 |
| 163 | 16 | 0.40 | 1.5 |
| 393 | 39 | 0.65 | 1.0 |
| 453 | 45 | 0.80 | 0.9 |
| 603 | 60 | 1.00 | 0.8 |
| 683 | 68 | 1.50 | 0.7 |
| 963 | 96 | 2.00 | 0.6 |
| 124 | 120 | 2.50 | 0.5 |

Notes:

- Inductance measurement condition: 1KHz at 25°C.
- Withstanding voltage: 1.5KV, one minute between line.
- Temperature rise: 45°C max.

[Return to LIF-FHS Package](#)

Leaded Inductor Common Mode Filter

LIF Series

MERITEK

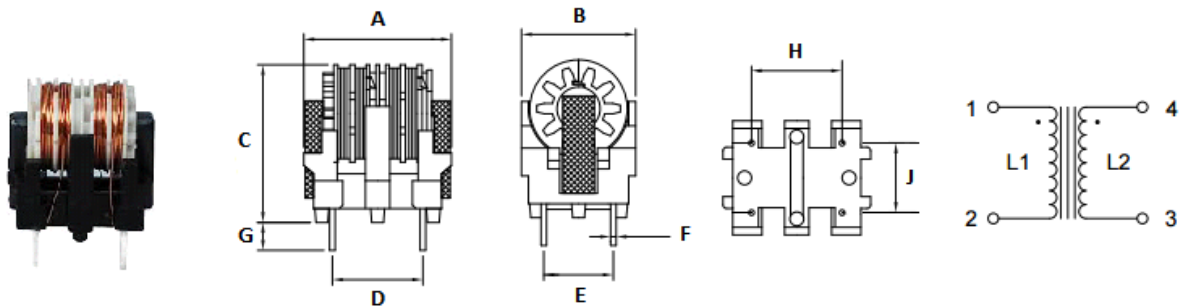
LIF-FVX PACKAGE PART NUMBERING SYSTEM

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LI F 2014 102 FVX
(1) (2) (3) (4) (5)

| No | Item | Digit | Description | Series Reference |
|-----|----------------|-------|------------------------------------|------------------------------------|
| (1) | Meritek Series | LI | Leaded Inductor | |
| (2) | Type | F | F: Common Mode Filter | |
| (3) | Dimension | 2014 | 2014: Dimension 22.0x18.0x23.0(mm) | Footprint information or Size Code |
| (4) | Inductance | 102 | 102: 1.0mH | 152: 1.5mH |
| (5) | Package Code | FVX | FVX: Common Mode Filter | Package Reference Code |

DIMENSION



Unit: mm

| Package | A | B | C | D | E | F | G | H | J |
|---------|-----------|-----------|-----------|----------|----------|-----|---------|------|------|
| 2014 | 22.0 Max. | 18.0 Max. | 23.0 Max. | 13.0±0.5 | 10.0±0.5 | 0.8 | 4.0±1.0 | 13.0 | 10.0 |

ELECTRICAL CHARACTERISTICS

LIF2014-FVX Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|-----------------------|-------------------|
| 102 | 1.0 | 0.10 | 2.0 |
| 152 | 1.5 | 0.17 | 1.7 |
| 202 | 2.0 | 0.20 | 1.5 |
| 252 | 2.5 | 0.30 | 1.3 |
| 402 | 4.0 | 0.50 | 1.0 |
| 682 | 6.8 | 0.90 | 0.8 |
| 103 | 10 | 1.1 | 0.7 |
| 123 | 12 | 1.5 | 0.6 |
| 183 | 18 | 1.7 | 0.5 |
| 223 | 22 | 2.0 | 0.4 |
| 333 | 33 | 3.2 | 0.3 |

Notes:

1. Inductance measurement condition: 1KHz at 25°C.
2. Withstanding voltage: 1.5KV, one minute between line.
3. Temperature rise: 45°C max.

[Return to LIF-FVX Package](#)

Leaded Inductor Common Mode Filter

LIF Series

MERITEK

LIF-FVU PACKAGE

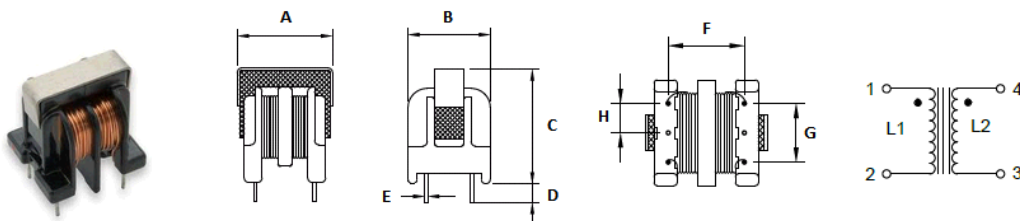
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PART NUMBERING SYSTEM

LI F 0914 201 FVU
(1) (2) (3) (4) (5)

| No | Item | Digit | Description | Series Reference |
|-----|----------------|-------|------------------------------------|------------------------------------|
| (1) | Meritek Series | LI | Leaded Inductor | |
| (2) | Type | F | F: Common Mode Filter | |
| (3) | Dimension | 0914 | 0914: Dimension 16.5x11.0x17.0(mm) | Footprint information or Size Code |
| (4) | Inductance | 201 | 201: 0.20mH | 471: 0.47mH |
| (5) | Package Code | FVX | FVX: Common Mode Filter | Package Reference Code |

DIMENSION



Unit: mm

| Code | A | B | C | D | E | F | G | H |
|------|-----------|-----------|-----------|---------|---------|----------|----------|-----------|
| 0914 | 16.5 Max. | 11.0 Max. | 17.0 Max. | 4.0±0.5 | 0.6±0.1 | 8.0±0.5 | 7.0±0.5 | - |
| 1016 | 19.0 Max. | 17.0 Max. | 22.0 Max. | 4.5±1.0 | 0.7 | 12.9±0.3 | 10.0±0.5 | - |
| 1520 | 23.0 Max. | 19.0 Max. | 27.5 Max. | 5.0±1.0 | 0.7 | 13.0±0.3 | 10.0±0.3 | 5.00±0.15 |

ELECTRICAL CHARACTERISTICS

LIF0914-FVU Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|--------------|-------------------|
| 201 | 0.20 | 0.10 | 2.00 |
| 471 | 0.47 | 0.18 | 1.70 |
| 701 | 0.70 | 0.30 | 1.20 |
| 102 | 1.00 | 0.50 | 1.00 |
| 202 | 2.00 | 1.00 | 0.50 |
| 562 | 5.60 | 2.80 | 0.30 |
| 103 | 10.0 | 3.50 | 0.25 |
| 223 | 22.0 | 6.30 | 0.20 |
| 403 | 40.0 | 8.00 | 0.10 |

LIF1016-FVU Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|--------------|-------------------|
| 102 | 1.0 | 0.10 | 2.90 |
| 152 | 1.5 | 0.15 | 1.00 |
| 302 | 3.0 | 0.35 | 0.90 |
| 802 | 8.0 | 0.65 | 0.80 |
| 203 | 20 | 1.80 | 0.50 |

LIF1520-FVU Package

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|--------------|-------------------|
| 802 | 8.0 | 0.40 | 1.20 |
| 103 | 10.0 | 0.50 | 1.00 |

Notes:

1. Unspecified values are available on request.
2. Test condition: 1KHz/ 1.0V.
3. Withstanding voltage: 1.5K Vac/ 1minute.
4. Insulation resistance: 100M (Ω) at 500 (Vdc).
5. Temperature rise: ≤40°C.
6. Operating temperature: -20°C~105°C.

[Return to LIF-FVU Package](#)

Leaded Inductor Common Mode Filter

LIF Series

MERITEK

LIF-FHU PACKAGE

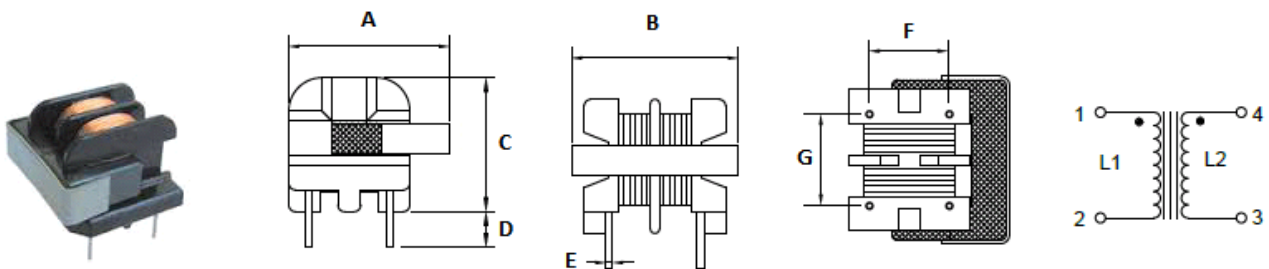
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PART NUMBERING SYSTEM

LI F 0914 201 FHU
(1) (2) (3) (4) (5)

| No | Item | Digit | Description | Series Reference |
|-----|----------------|-------|------------------------------------|------------------------------------|
| (1) | Meritek Series | LI | Leaded Inductor | |
| (2) | Type | F | F: Common Mode Filter | |
| (3) | Dimension | 0914 | 0914: Dimension 16.0x16.5x13.0(mm) | Footprint information or Size Code |
| (4) | Inductance | 201 | 201: 0.20mH | 471: 0.47mH |
| (5) | Package Code | FVX | FVX: Common Mode Filter | Package Reference Code |

DIMENSION



Unit: mm

| Package | A | B | C | D | E | F | G |
|---------|-----------|-----------|-----------|---------|---------|---------|---------|
| 0914 | 16.0 Max. | 16.5 Max. | 13.0 Max. | 4.0±0.5 | 0.6±0.1 | 7.0±0.5 | 8.0±0.5 |

ELECTRICAL CHARACTERISTICS

| L Code | Min. Inductance (mH) | Max. DCR (Ω) | Rated Current (A) |
|--------|----------------------|--------------|-------------------|
| 201 | 0.20 | 0.10 | 2.00 |
| 471 | 0.47 | 0.18 | 1.70 |
| 701 | 0.70 | 0.30 | 1.20 |
| 102 | 1.00 | 0.50 | 1.00 |
| 202 | 2.00 | 1.00 | 0.50 |
| 562 | 5.60 | 2.80 | 0.30 |
| 103 | 10.0 | 3.50 | 0.25 |
| 223 | 22.0 | 6.30 | 0.20 |
| 403 | 40.0 | 8.00 | 0.10 |

Notes:

1. Unspecified values are available on request.
2. Test condition: 1KHz/ 1.0V.
3. Withstanding voltage: 1.5K Vac/ 1minute.
4. Insulation resistance: 100M (Ω) at 500 (Vdc).
5. Temperature rise: ≤40°C.
6. Operating temperature: -20°C~105°C.

[Return to LIF-FHU Package](#)