# Wire-wound Metal Power Inductors MCOIL™ LSEN series for General Purpose

Code in front of Series have been extracted from Part number, which describes the segment of products, such as kinds and characteristics.

REFLOW

■PART NUMBER

＊ Operating Temp.: −40〜+125℃ (Including self-generated heat)

| L | S | E | N | C | 2 | 0 | 1 | 6 | K | K | T | 1 | R | 0 | M | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ① | | | | ② | ③ | | | | ④ | | ⑤ | ⑥ | | | ⑦ | ⑧ |

①Series

| Code (1)(2)(3)(4) | |
|---|---|
| LSEN | Wire-wound Metal Power Inductor for General Purpose |

(1) Product Group

| Code | |
|---|---|
| L | Inductors |

(2) Category

| Code | Recommended equipment |
|---|---|
| S | for General Purpose |

(3) Type

| Code | |
|---|---|
| E | Metal Wire-wound (High filling type) |

(4) Features, Characteristics

| Code | |
|---|---|
| N | Standard Power choke |

②Features

| Code | Feature |
|---|---|
| C | Bottom electrode (Ag-resin × Sn-plate) |

③Dimensions (L × W)

| Code | Dimensions (L × W) [mm] |
|---|---|
| 2016 | 2.0 × 1.6 |
| 2520 | 2.5 × 2.0 |

④Dimensions (T)

| Code | Dimensions (T) [mm] |
|---|---|
| KK | 1.0 |

⑤Packaging

| Code | Packaging |
|---|---|
| T | Taping |

⑥Nominal inductance

| Code (example) | Nominal inductance [μH] |
|---|---|
| R47 | 0.47 |
| 1R0 | 1.0 |
| 4R7 | 4.7 |

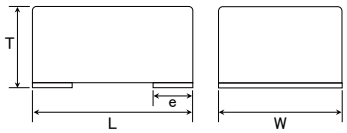
※R=Decimal point

⑦Inductance tolerance

| Code | Inductance tolerance |
|---|---|
| M | ±20% |

⑧Internal code

■STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY

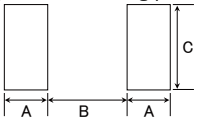



Recommended Land Patterns

Surface Mounting

・Mounting and soldering conditions should be checked beforehand.

・Applicable soldering process to these products is reflow soldering only.




| Type | A | B | C |
|---|---|---|---|
| 2016 | 0.7 | 0.8 | 1.8 |
| 2520 | 0.9 | 1.0 | 2.2 |

Unit: mm

| Type | L | W | T | e | Standard quantity [pcs] Taping |
|---|---|---|---|---|---|
| 2016KK | 2.0±0.2 (0.079±0.008) | 1.6±0.2 (0.063±0.008) | 1.0 max (0.039 max) | 0.5±0.3 (0.020±0.012) | 3000 |
| 2520KK | 2.5±0.2 (0.098±0.008) | 2.0±0.2 (0.079±0.008) | 1.0 max (0.039 max) | 0.65±0.3 (0.026±0.012) | 3000 |

Unit: mm (inch)