

Wire-wound Ferrite Power Inductors LBQN/LBQPA series

for Telecommunications Infrastructure and Industrial Equipment

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. : -40~105°C(Including self-generated heat)

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| L | B | Q | N | A | 2 | 0 | 1 | 2 | 1 | 2 | T | 1 | 0 | 0 | M | | |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | | | | | | | | | |

①Series

| Code (1)(2)(3)(4) | |
|----------------------|--|
| LBQN | Wire-wound Ferrite Power Inductor for Telecommunications Infrastructure and Industrial Equipment |
| LBQP | Wire-wound Ferrite Power Inductor for Telecommunications Infrastructure and Industrial Equipment |

(1) Product Group

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

(2) Category

| Code | Recommended equipment | Quality Grade |
|------|--|---------------|
| B | Telecommunications Infrastructure and Industrial Equipment | 2 |

②Features

| Code | Feature |
|------|---|
| A | 5-surface electrode (Ag-resin × Sn-plate) |

③Dimensions (L × W)

| Code | Type (inch) | Dimensions (L × W) [mm] |
|------|-------------|----------------------------|
| 2012 | 2012 (0805) | 2.0 × 1.25 |
| 2016 | 2016 (0806) | 2.0 × 1.6 |
| 2518 | 2518 (1007) | 2.5 × 1.8 |
| 3225 | 3225 (1210) | 3.2 × 2.5 |

④Dimensions (T)

| Code | Dimensions (T) [mm] |
|------|---------------------|
| 12 | 1.25 |
| 16 | 1.6 |
| 18 | 1.8 |
| 25 | 2.5 |

(3) Type

| Code | |
|------|--------------------------------------|
| Q | Ferrite Wire-wound (Horizontal type) |

(4) Features, Characteristics

| Code | |
|------|--------------------------|
| N | Standard Power choke |
| P | High current power choke |

⑤Packaging

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

⑥Nominal inductance

| Code (example) | Nominal inductance [μH] |
|-------------------|-------------------------|
| 1R0 | 1.0 |
| 100 | 10 |
| 101 | 100 |

※R=Decimal point

⑦Inductance tolerance

| Code | Inductance tolerance |
|------|----------------------|
| K | ±10% |
| M | ±20% |

⑧Special code

| Code | Special code |
|------|--------------|
| R | Low Rdc type |

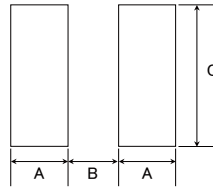
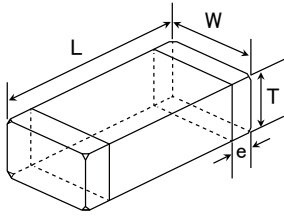
⑨Internal code

■ 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 |
|-------|------|-----|------|
| A2012 | 0.60 | 1.0 | 1.45 |
| A2016 | 0.60 | 1.0 | 1.8 |
| A2518 | 0.60 | 1.5 | 2.0 |
| A3225 | 0.85 | 1.7 | 2.7 |

Unit : mm

| Type | L | W | T | e | Standard quantity [pcs] | |
|---------|--------------------------|---------------------------|---------------------------|--------------------------|-------------------------|---------------|
| | | | | | Paper tape | Embossed tape |
| A201212 | 2.0±0.2 (0.079±0.008) | 1.25±0.2 (0.049±0.008) | 1.25±0.2 (0.049±0.008) | 0.5±0.2 (0.020±0.008) | — | 3000 |
| A201616 | 2.0±0.2 (0.079±0.008) | 1.6±0.2 (0.063±0.008) | 1.6±0.2 (0.063±0.008) | 0.5±0.2 (0.020±0.008) | — | 2000 |
| A251818 | 2.5±0.2 (0.098±0.008) | 1.8±0.2 (0.071±0.008) | 1.8±0.2 (0.071±0.008) | 0.5±0.2 (0.020±0.008) | — | 2000 |
| A322525 | 3.2±0.2 (0.126±0.008) | 2.5±0.2 (0.098±0.008) | 2.5±0.2 (0.098±0.008) | 0.6±0.3 (0.024±0.012) | — | 1000 |

Unit : mm (inch)

► This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification.
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