

Wire-wound Ferrite Power Inductors LSXBH10050

for General Electronic Equipment for Consumer

REFLOW

PART NUMBER

*Operating Temp.: -25~+105°C (Including self-generated heat)

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| L | S | X | B | H | 1 | 0 | 0 | 5 | 0 | H | L | 1 | 0 | 0 | M | |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | | | | | | | | |

① Series

| | |
|----------------------|---|
| Code (1)(2)(3)(4) | |
| LSXB | Wire-wound Ferrite Power Inductor for General Electronic Equipment for Consumer |

(1) Product Group

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

(2) Category

| | | |
|------|---|---------------|
| Code | Recommended equipment | Quality Grade |
| S | General Electronic Equipment for Consumer | 3 |

② Features

| | |
|------|-------------------------------|
| Code | Feature |
| H | Bottom electrode (Frame type) |

③ 寸法 (L×W)

| | |
|------|-----------------------|
| Code | Dimensions (L×W) [mm] |
| 100 | 10.0×9.8 |

④ 寸法 (H)

| | |
|------|---------------------|
| Code | Dimensions (H) [mm] |
| 50 | 5.0 |

⑤ Operating temperature

| | |
|------|----------------------------|
| Code | Operating temperature [°C] |
| H | -25~+105 |

(3) Type

| | |
|------|--------------------------------|
| Code | |
| X | Ferrite Wire-wound (Drum type) |

(4) Features, Characteristics

| | |
|------|----------|
| Code | |
| B | Standard |

⑥ Packaging

| | |
|------|-----------|
| Code | Packaging |
| L | Taping |

⑦ Nominal inductance

| | |
|-------------------|-------------------------|
| Code (example) | Nominal inductance [μH] |
| 1R3 | 1.3 |
| 100 | 10 |
| 101 | 100 |

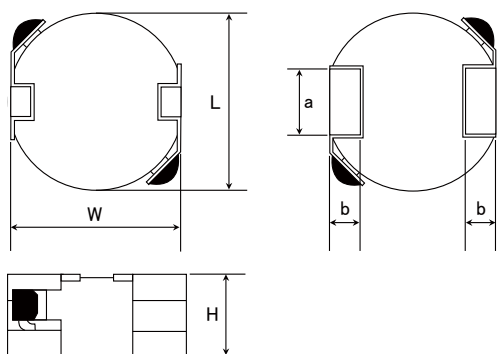
※R=Decimal point

⑧ Inductance tolerance

| | |
|------|----------------------|
| Code | Inductance tolerance |
| M | ±20% |
| N | ±30% |

⑨ Internal code

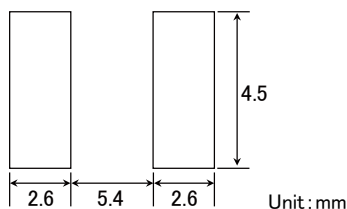
STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



Recommended Land Patterns

Surface Mounting

- Mounting and soldering conditions should be checked beforehand.
- Applicable soldering process to these products is reflow soldering only.



| Type | L | W | H | a | b | Standard quantity [pcs] Taping |
|-------|---------------------------|--------------------------|------------------------|---------------|----------------|-----------------------------------|
| 10050 | 10.0±0.3 (0.394±0.012) | 9.8±0.5 (0.386±0.020) | 5.0 max (0.197 max) | 4.0 (0.16) | 1.75 (0.07) | 500 |

Unit: mm (inch)