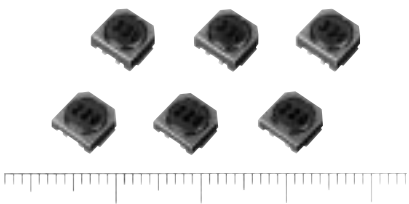


SMD Choke Coils

Singapore

Series: **H**

Type: **ELL6□H**



SMD type choke coils (2.5 mm, 3.0 mm)

Type ELL6□H

■ Features

- Thin type (height 2.5 mm, 3.0 mm)
- Higher reliability in mounting by separated user terminal and internal connection.
- Capable of corresponding big current

■ Recommended Applications

- Videos, Audio, Mobile communications, Electric battery driving equipment
- Choke coils for Chopper circuit decoupling choked in DC/DC convertor circuit

■ Cautions for Use

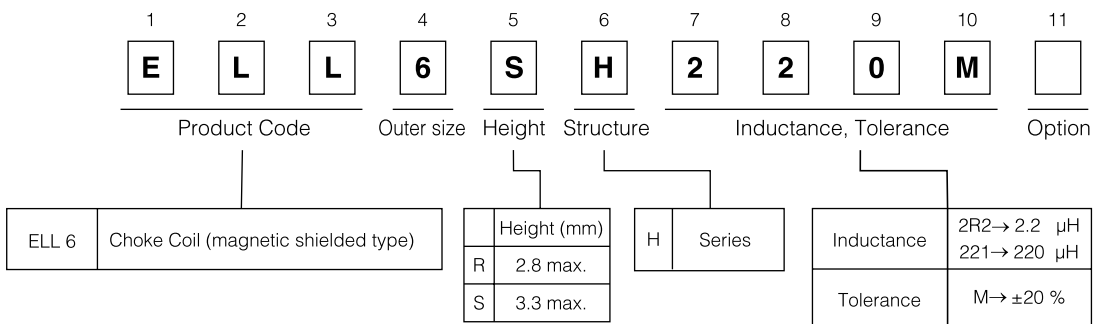
Convertor electric power of DC/DC convertor

- Chopper type : 1 W max.
- Operating temperature
- 105 °C max. (Including self-temperature rise)

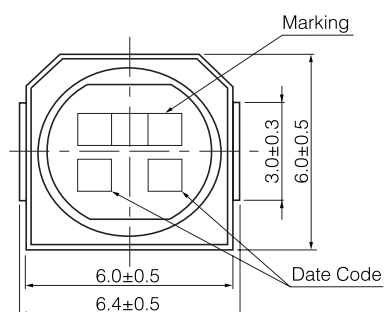
■ Standard Packing Quantity

- 1000 pcs./Reel

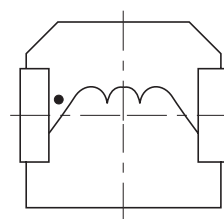
■ Explanation of Part Numbers



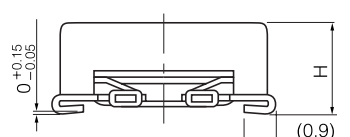
## ■ Dimensions in mm (not to scale)



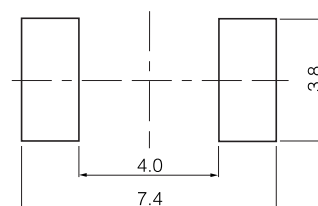
## ■ Connections (Top view)



## ■ Recommended Land Pattern in mm (not to scale)



| Type   | Height        |
|--------|---------------|
| ELL6RH | 2.5 mm±0.3 mm |
| ELL6SH | 3.0 mm±0.3 mm |



## ■ Examples

| Part No.   | Inductance (μH)<br>at 100 kHz<br>Tol. ±20% | DCR (mΩ)<br>at 20 °C<br>Tol. ±20% |      | * Current<br>mA (max.) |      | Marking |
|------------|--------------------------------------------|-----------------------------------|------|------------------------|------|---------|
|            |                                            | 6 RH                              | 6 SH | 6 RH                   | 6 SH |         |
| ELL6□H1R0M | 1.0                                        | 19                                | 19   | 3000                   | 3400 | 1R0     |
| ELL6□H1R5M | 1.5                                        | 24                                | 24   | 2400                   | 3200 | 1R5     |
| ELL6□H2R7M | 2.7                                        | 39                                | 31   | 1800                   | 2400 | 2R7     |
| ELL6□H3R3M | 3.3                                        | 44                                | 34   | 1600                   | 2200 | 3R3     |
| ELL6□H4R7M | 4.7                                        | 49                                | 42   | 1580                   | 2000 | 4R7     |
| ELL6□H5R1M | 5.1                                        | 56                                | —    | 1550                   | —    | 5R1     |
| ELL6□H5R6M | 5.6                                        | —                                 | 49   | —                      | 1800 | 5R6     |
| ELL6□H6R2M | 6.2                                        | 62                                | —    | 1400                   | —    | 6R2     |
| ELL6□H6R8M | 6.8                                        | —                                 | 52   | —                      | 1500 | 6R8     |
| ELL6□H7R5M | 7.5                                        | 80                                | —    | 1250                   | —    | 7R5     |
| ELL6□H8R2M | 8.2                                        | 87                                | 61   | 1200                   | 1400 | 8R2     |
| ELL6□H100M | 10.0                                       | 95                                | 65   | 1100                   | 1300 | 100     |
| ELL6□H120M | 12.0                                       | 130                               | 71   | 1000                   | 1200 | 120     |
| ELL6□H150M | 15.0                                       | 150                               | 96   | 850                    | 1100 | 150     |
| ELL6□H180M | 18.0                                       | 170                               | 110  | 800                    | 1000 | 180     |
| ELL6□H220M | 22.0                                       | 220                               | 140  | 700                    | 900  | 220     |
| ELL6□H270M | 27.0                                       | 260                               | 160  | 650                    | 800  | 270     |
| ELL6□H330M | 33.0                                       | 380                               | 180  | 600                    | 700  | 330     |
| ELL6□H390M | 39.0                                       | 410                               | 240  | 550                    | 650  | 390     |
| ELL6□H470M | 47.0                                       | 480                               | 270  | 500                    | 600  | 470     |
| ELL6□H560M | 56.0                                       | 540                               | 290  | 450                    | 550  | 560     |
| ELL6□H680M | 68.0                                       | 770                               | 520  | 400                    | 500  | 680     |
| ELL6□H820M | 82.0                                       | 870                               | 600  | 350                    | 450  | 820     |
| ELL6□H101M | 100.0                                      | 1000                              | 680  | 300                    | 400  | 101     |
| ELL6□H121M | 120.0                                      | 1500                              | 750  | 280                    | 370  | 121     |
| ELL6□H151M | 150.0                                      | 1800                              | 860  | 250                    | 350  | 151     |
| ELL6□H181M | 180.0                                      | 2000                              | 1200 | 230                    | 300  | 181     |

Current: This indicates the value of current when the inductance is 80% more than nominal value and temperature rising Δt=45 °C lower at D.C superposition. (at 20 °C)