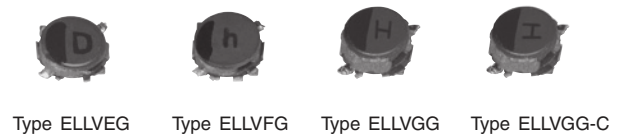


Power Inductors / Wire Wound type

Series : **G**
 Type : **ELLVEG**
ELLVFG-C
ELLVGG
ELLVGG-C



Features

- Magnetic shielded structure
- Low DC resistance and large current capability
- Shock resistant
- RoHS compliant

Recommended Applications

- DSC, Tablet terminal, Portable game device, DC/DC converter circuit for cellular phone

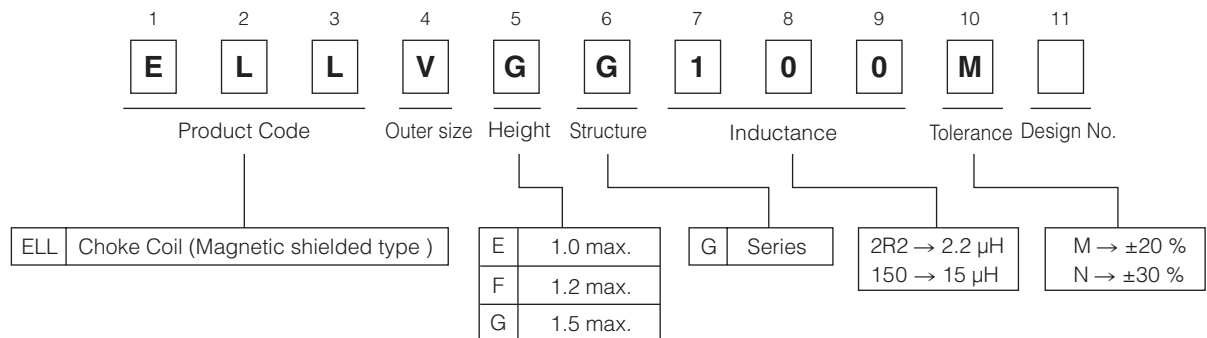
Standard Packing Quantity

- 2,000 pcs./reel

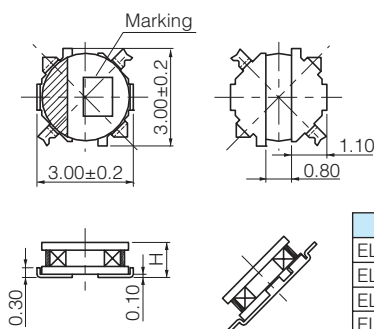
As for Soldering Conditions and Safety Precautions,

Please see Data Files

Explanation of Part Numbers

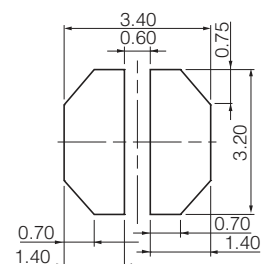


Dimensions in mm (not to scale)



| Type | H |
|----------|----------|
| ELLVEG | 1.0 max. |
| ELLVFG-C | 1.2 max. |
| ELLVGG | 1.5 max. |
| ELLVGG-C | 1.5 max. |

Recommended land patterns in mm (not to scale)



Standard Parts

| Series | Part No. | Inductance (100 kHz) | | R _{DC} (at 20 °C) | | Saturation Rated Current* ¹ (mA max.) | Temperature Rise Current* ² (mA max.) | Marking |
|-----------------|-------------|-------------------------|-------|-------------------------------|-------|--|--|---------|
| | | (μH) | Tol. | (mΩ) | Tol. | | | |
| Series VEG | ELLVEGR68N | 0.68 | ±30 % | 50 | ±20 % | 1950 | 1800 | 7 |
| | ELLVEG1R0N | 1.0 | | 61 | | 1900 | 1600 | A |
| | ELLVEG1R5N | 1.5 | | 74 | | 1200 | 1400 | C |
| | ELLVEG2R2N | 2.2 | | 110 | | 1100 | 1250 | D |
| | ELLVEG3R3N | 3.3 | | 210 | | 1000 | 820 | E |
| | ELLVEG4R7N | 4.7 | | 240 | | 750 | 770 | H |
| | ELLVEG6R8N | 6.8 | 350 | 580 | | 650 | K | |
| | ELLVEG100M | 10.0 | 480 | 520 | | 600 | M | |
| | ELLVEG150M | 15.0 | 710 | 430 | | 490 | O | |
| ELLVEG220M | 22.0 | 1200 | 330 | 400 | R | | | |
| Series VFG-C | ELLVFG1R0NC | 1.0 | ±30 % | 50 | ±20 % | 1500 | 1700 | a |
| | ELLVFG1R5NC | 1.5 | | 61 | | 1300 | 1550 | c |
| | ELLVFG2R2NC | 2.2 | | 87 | | 1100 | 1400 | d |
| | ELLVFG3R3NC | 3.3 | | 110 | | 980 | 1250 | e |
| | ELLVFG4R7NC | 4.7 | | 150 | | 740 | 1050 | h |
| | ELLVFG6R8NC | 6.8 | | 230 | | 600 | 840 | k |
| | ELLVFG100MC | 10.0 | 380 | 550 | | 640 | m | |
| | ELLVFG150MC | 15.0 | 540 | 500 | | 480 | o | |
| | ELLVFG220MC | 22.0 | 710 | 350 | | 430 | r | |
| ELLVFG330MC | 33.0 | 1160 | 280 | 330 | t | | | |
| Series VGG | ELLVGG1R0N | 1.0 | ±30 % | 52 | ±20 % | 2200 | 1800 | A |
| | ELLVGG1R2N | 1.2 | | 61 | | 2000 | 1600 | B |
| | ELLVGG1R6N | 1.6 | | 73 | | 1800 | 1550 | C |
| | ELLVGG2R2N | 2.2 | | 92 | | 1600 | 1400 | D |
| | ELLVGG3R3N | 3.3 | | 130 | | 1350 | 1100 | E |
| | ELLVGG3R9N | 3.9 | | 150 | | 1300 | 1000 | F |
| | ELLVGG4R7N | 4.7 | 170 | 1200 | | 980 | H | |
| | ELLVGG6R8N | 6.8 | 230 | 1000 | | 800 | K | |
| | ELLVGG100M | 10.0 | 280 | 800 | | 730 | M | |
| | ELLVGG120M | 12.0 | 480 | 690 | | 580 | N | |
| | ELLVGG150M | 15.0 | 640 | 600 | | 490 | O | |
| | ELLVGG220M | 22.0 | 800 | 500 | | 460 | R | |
| ELLVGG330M | 33.0 | 1330 | 450 | 340 | T | | | |
| ELLVGG470M | 47.0 | 2100 | 350 | 270 | V | | | |
| Series VGG-C | ELLVGG1R0NC | 1.0 | ±30 % | 47 | ±20 % | 1400 | 2000 | ◁ |
| | ELLVGG2R2NC | 2.2 | | 79 | | 1050 | 1500 | ▷ |
| | ELLVGG3R3NC | 3.3 | | 110 | | 1000 | 1300 | ≡ |
| | ELLVGG4R7NC | 4.7 | | 130 | | 900 | 1200 | ≡ |
| | ELLVGG6R8NC | 6.8 | | 180 | | 700 | 1000 | ≡ |
| | ELLVGG100MC | 10.0 | | 260 | | 600 | 860 | ≡ |
| | ELLVGG120MC | 12.0 | 280 | 550 | | 730 | Z | |
| | ELLVGG150MC | 15.0 | 420 | 450 | | 670 | O | |
| | ELLVGG220MC | 22.0 | 530 | 410 | | 600 | R | |
| | ELLVGG330MC | 33.0 | 790 | 350 | | 450 | F | |
| | ELLVGG470MC | 47.0 | 1200 | 260 | | 360 | > | |
| | ELLVGG101MC | 100 | 2950 | 180 | | 250 | N | |

*1 Saturation Rated Current : This DC current which causes a 30 % inductance reduction from its nominal value.

*2 Temperature Rise Current : This indicates the value of current when temperature rise dt/t= 40 °C (at 20 °C).

Embossed Carrier Tape Dimensions in mm (not to scale)

