



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

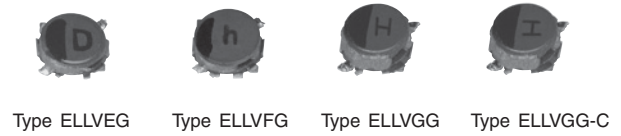
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

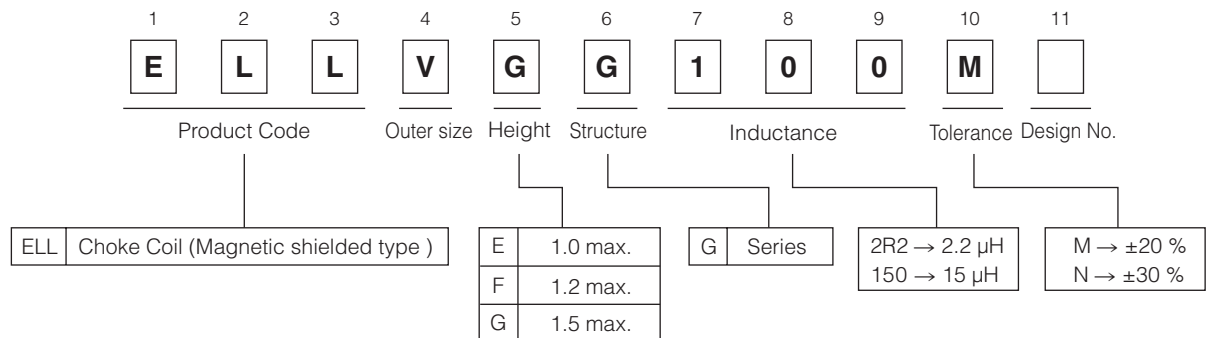
Standard Packing Quantity

- 2,000 pcs./reel

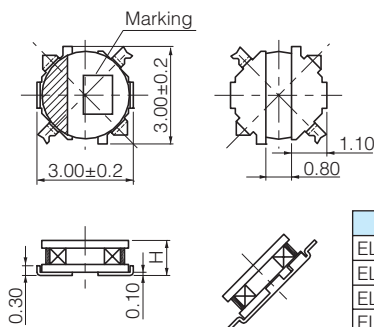
As for Soldering Conditions and Safety Precautions,

Please see Data Files

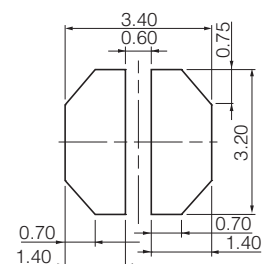
Explanation of Part Numbers



Dimensions in mm (not to scale)



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)

