



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!



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Multilayer Power Inductor

CIG32H2R2MNE (3225/ EIA 1210)

APPLICATION

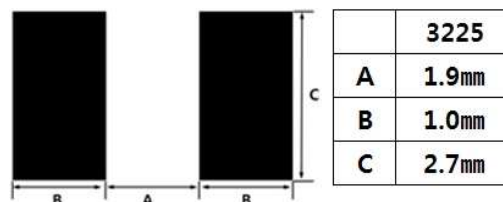
Mobile phones, DSC, DVC, PDA etc. for DC-DC Converter

FEATURES

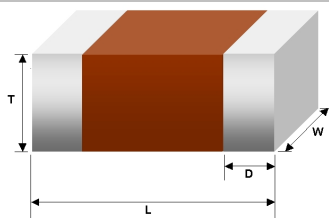
- High Current Type
- Low DC resistance
- Magnetically shielded structure
- Free of all RoHS-regulated substances
- Monolithic structure for high reliability



RECOMMENDED LAND PATTERN



DIMENSION



| TYPE | Dimension [mm] | | | |
|------|----------------|----------|---------|---------|
| | L | W | T | D |
| 32 | 3.2±0.15 | 2.5±0.15 | 1.1±0.1 | 0.5±0.3 |

DESCRIPTION

| Part no. | Size (inch/mm) | Inductance (uH)@1MHz | DC Resistance(Ω) | Rated Current (A) ^{*1} Typ. | Rated Current (A) ^{*2} Max. |
|--------------|-------------------|-------------------------|---------------------|---|---|
| CIG32H2R2MNE | 1210/3225 | 2.2±20% | 0.125±25 % | 2.90 | 1.60 |

※Rated Current (A)^{*1}: DC current value when Inductance drops to 30% of nominal Inductance value (ONLY REFERENCE)

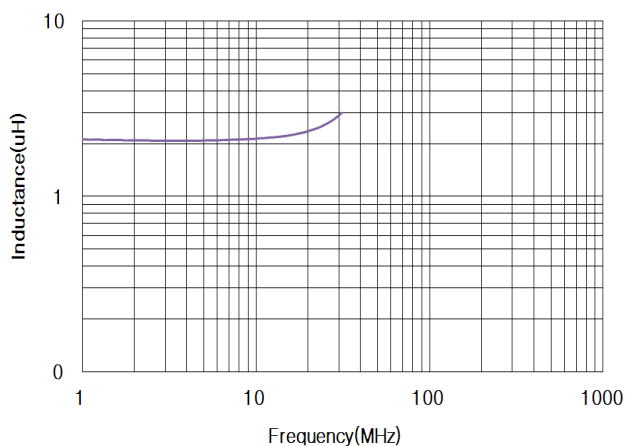
※Rated Current (A)^{*2}: DC current value when the self-generation of heat rises to 40℃ (Reference ambient temperature:25℃)

※Operating temperature range: -40 to +125℃ (Including self-temperature rise)

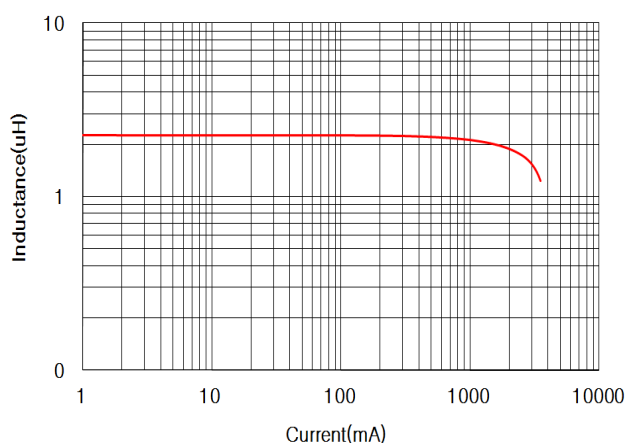
※Test equipment: Agilent :E4991A+16092A

CHARACTERISTIC DATA

1) Frequency characteristics (Typ.)



2) DC Bias characteristics (Typ.)



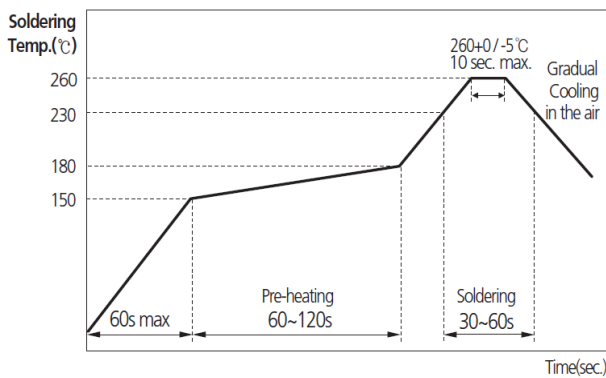
PRODUCT IDENTIFICATION

| CI | G | 32 | H | 2R2 | M | N | E |
|-----|-----|-----|-----|-----|-----|-----|-----|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |

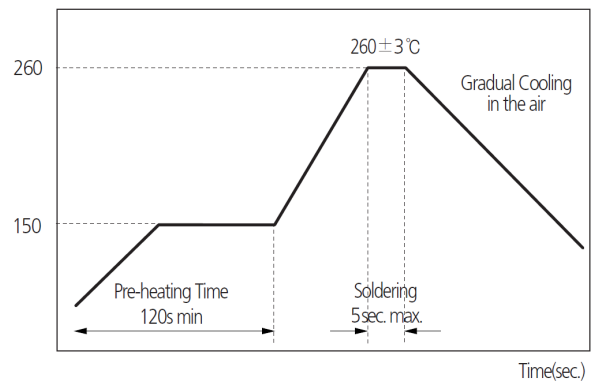
- | | |
|--|--|
| (1) Chip Inductor | (2) Power Inductor |
| (3) Dimension | (4) Product Series (H:High Current Type) |
| (5) Inductance (2R2:2.2uH) | (6) Tolerance (M:±20%) |
| (7) Thickness option(N:Standard, A:Thinner than standard, B:Thicker than standard) | |
| (8) Packaging(C:paper tape, E:embossed tape) | |

RECOMMENDED SOLDERING CONDITION

REFLOW SOLDERING



FLOW SOLDERING



PACKAGING

| Packaging Style | Quantity(pcs/reel) |
|-----------------|--------------------|
| Embossed Taping | 2,500 |



Any data in this sheet are subject to change, modify or discontinue without notice.

The data sheets include the typical data for design reference only. If there is any question regarding the data sheets, please contact our sales personnel or application engineers.