

CMI-CDSS252012NH-SERIES



Features

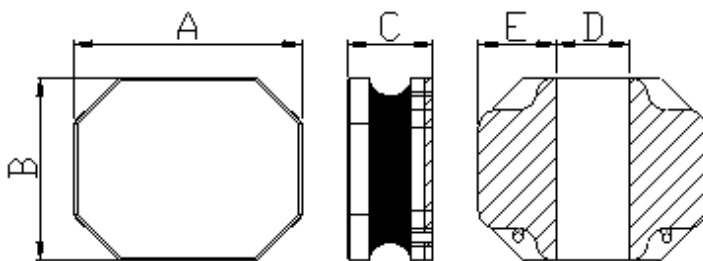
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ Halogen-Free

Applications

- ▶ Car navigation, car stereo and car accessories only
(Not available for use related to driving, curving, stopping, and the other safety.)

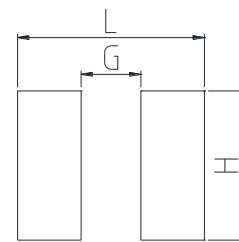


Dimension (Unit:mm)



| A | B | C | D | E |
|---------|---------|----------|---------|---------|
| 2.5±0.2 | 2.0±0.2 | 1.3 Max. | 0.8±0.2 | 0.8±0.2 |

Land Pattern (Unit:mm)



| L | G | H |
|-----|-----|-----|
| 2.5 | 0.8 | 2.0 |

Specifications

| Part Number | Inductance (uH) | Tolerance (±) | DCR(mΩ) ±20% | IDC1(A) Max. | IDC2(A) Max. | Test Frequency (Hz) |
|-----------------------|-----------------|---------------|--------------|--------------|--------------|---------------------|
| CMI-CDSS252012NH-R47N | 0.47 | 30% | 61 | 3.82 | 2.15 | 1M |
| CMI-CDSS252012NH-R68N | 0.68 | 30% | 74 | 3.28 | 1.95 | 1M |
| CMI-CDSS252012NH-1R0N | 1.0 | 30% | 90 | 2.59 | 1.93 | 1M |
| CMI-CDSS252012NH-1R5N | 1.5 | 30% | 147 | 2.24 | 1.40 | 1M |
| CMI-CDSS252012NH-2R2N | 2.2 | 30% | 216 | 1.85 | 1.15 | 1M |
| CMI-CDSS252012NH-3R3M | 3.3 | 20% | 264 | 1.61 | 1.04 | 1M |
| CMI-CDSS252012NH-4R7M | 4.7 | 20% | 377 | 1.12 | 0.84 | 1M |
| CMI-CDSS252012NH-5R6M | 5.6 | 20% | 538 | 1.11 | 0.73 | 1M |
| CMI-CDSS252012NH-6R8M | 6.8 | 20% | 581 | 0.98 | 0.69 | 1M |
| CMI-CDSS252012NH-100M | 10 | 20% | 690 | 0.79 | 0.62 | 1M |
| CMI-CDSS252012NH-150M | 15 | 20% | 1591 | 0.68 | 0.42 | 1M |

| Part Number | Inductance (uH) | Tolerance (±) | DCR(mΩ) ±20% | IDC1(A) Max. | IDC2(A) Max. | Test Frequency (Hz) |
|-----------------------|-----------------|---------------|--------------|--------------|--------------|---------------------|
| CMI-CDSS252012NH-220M | 22 | 20% | 1976 | 0.53 | 0.38 | 1M |
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- IDC1: When based on the inductance change rate (approximately 30% below in the initial value)
- IDC2: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range(including self temperature) : -40°C ~ +105 °c

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|-------------------------------|-------------------|--------------------------------------------------------------------------|
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- All specifications are subject to change without notice.
- Update date : 2018.04.11