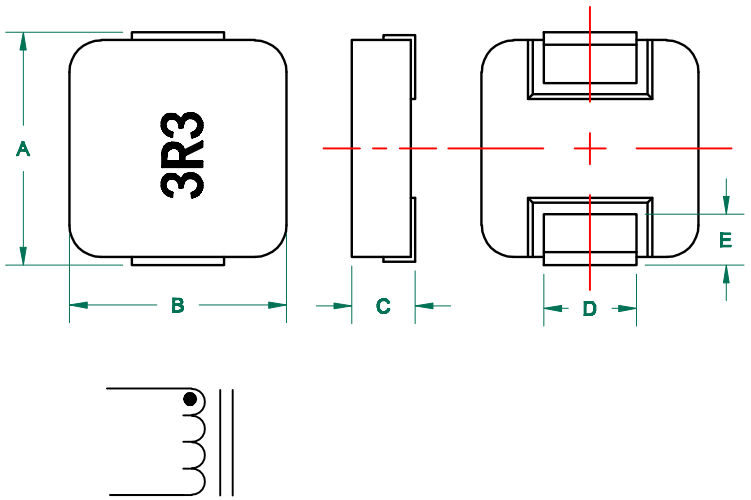
# MGV12033R3M-10

## PHYSICAL DIMENSIONS:

| | | | |
|---|---|---|---|
| A | 13.50 | ± | 0.50 |
| B | 12.60 | ± | 0.30 |
| C | 3.50 | ± | 0.30 |
| D | 3.60 | ± | 0.50 |
| E | 2.30 | ± | 0.50 |

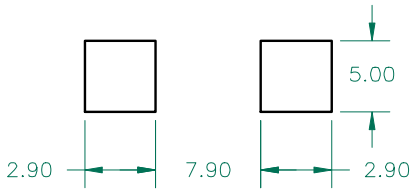


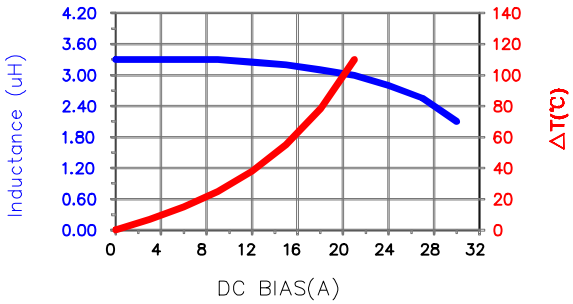

RoHS

Pb

UNCONTROLLED DOCUMENT

## LAND PATTERNS FOR REFLOW SOLDERING




## ELECTRICAL SPECIFICATION @ 25°C

| | Min | Nom | Max |
|---|---|---|---|
| INDUCTANCE (uH) L @ 100 KHz/0.25V ±20% | 2.64 | 3.30 | 3.96 |
| DCR (Ω) | | | 0.012 |

| | |
|---|---|
| Saturation Current [3] Isat (A) | 27.00 |
| Temperature Rise Current Irms [4] (A) | 12.00 |

NOTES: UNLESS OTHERWISE SPECIFIED

1. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
2. OPERATION TEMPERATURE RANGE: −40°C~+125°C (INCLUDING SELF−HEATING).
3. SATURATION CURRENT Isat IS DEFINED AS MAXIMUM AMOUNT OF CURRENT BY WHICH INDUCTANCE WILL DROP BY TYPICAL VALUE OF 25% OF INITIAL INDUCTANCE (Ta=25±5°C).
4. TEMPERATURE RISE CURRENT (Irms): DC CURRENT THAT CAUSES THE TEMPERATURE RISE ( ΔT ≤40°C) FROM 25°C AMBIENT.

| REV | DESCRIPTION | DATE | INT |
|---|---|---|---|
| A | ORIGINAL DRAFT | 05/14/13 | QIU |

DIMENSIONS ARE IN mm.

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| PROJECT/PART NUMBER: | REV | PART TYPE: | DRAWN BY: |
|---|---|---|---|
| MGV12033R3M−10 | A | POWER INDUCTOR | QIU |

| DATE: | SCALE: | SHEET: |
|---|---|---|
| 05/14/13 | NTS | 1 of 1 |

CAD # MGV12033R3M−10−A

TOOL # −