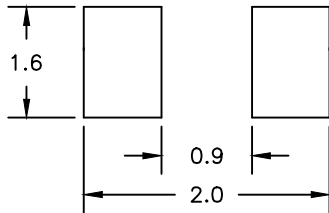


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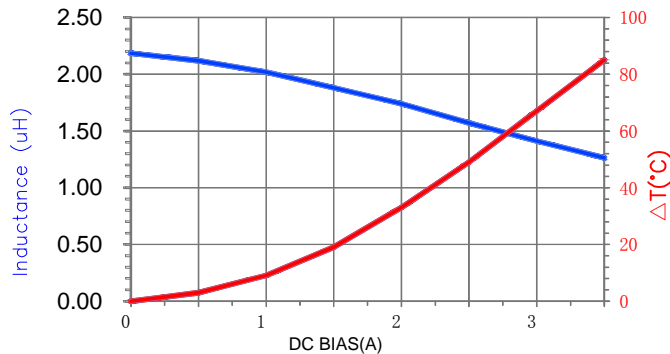
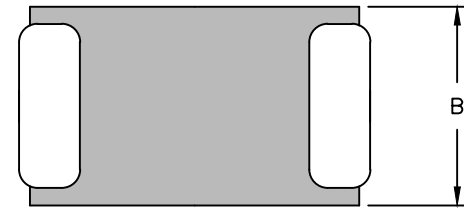
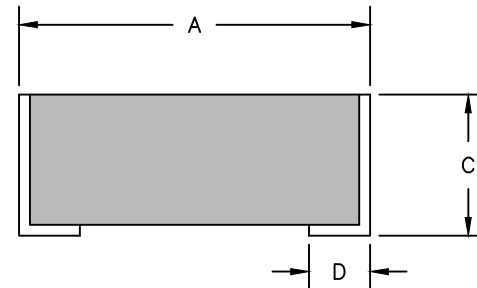
PHYSICAL DIMENSIONS:

| | | | |
|---|------|---|------|
| A | 2.00 | ± | 0.20 |
| B | 1.60 | ± | 0.20 |
| C | 1.00 | | Max. |
| D | 0.50 | ± | 0.30 |

LAND PATTERNS FOR REFLOW SOLDERING



RoHS



ELECTRICAL SPECIFICATION @ 25°C

| | Min | Norm | Max |
|---|------|-------|-------|
| INDUCTANCE (uH) L @ 1MHz/1mA ±20% | 1.76 | 2.20 | 2.64 |
| DCR (Ω) | | 0.117 | 0.140 |
| Saturation Current Isat (A) | | 2.60 | 2.45 |
| Heating Current Irms (A) | | 2.20 | 2.00 |

NOTES:

- COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
- TERMINATION FINISH IS 100% TIN.
- OPERATING TEMPERATURE RANGE: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
- STORAGE TEMPERATURE RANGE: $-50^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
- ISat MEANS THAT MAX DC CURRENT WILL CAUSE A PROXIMATELY 30% INDUCTANCE REDUCTION FROM INITIAL VALUE.
- Irms MEANS THAT MAX DC CURRENT WILL CAUSE PROXIMATELY 40°C TEMPERATURE RISE FROM $25 \pm 5^{\circ}\text{C}$ AMBIENT.

| DIMENSIONS ARE IN mm. | | | | This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved. | | Laird | |
|-----------------------|----------------|----------|-----|---|----------------|--------------|--|
| PROJECT/PART NUMBER: | | | | REV | PART TYPE: | DRAWN BY: | |
| MGV201610S2R2M-10 | | | | A | POWER INDUCTOR | QIU | |
| DATE: | | | | SCALE: | SHEET: | | |
| 06/13/17 | | | | NTS | 1 of 1 | | |
| REV | DESCRIPTION | DATE | INT | CAD # | TOOL # | | |
| A | ORIGINAL DRAFT | 06/13/17 | QIU | MGV201610S2R2M-10-A | - | | |