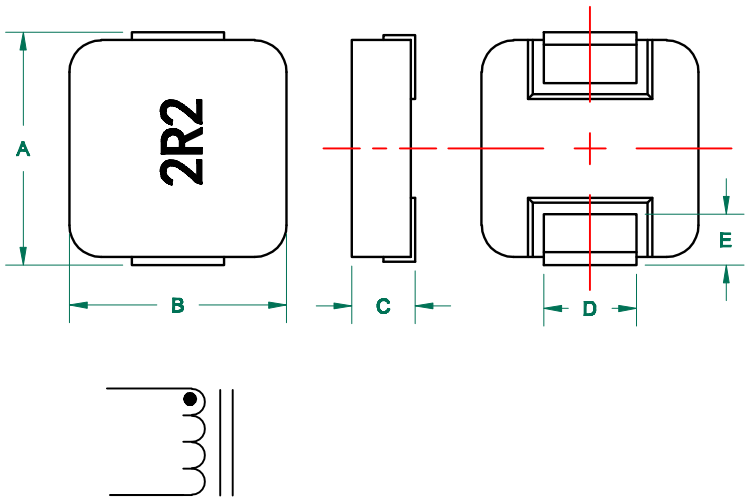
MGV04022R2M-10

PHYSICAL DIMENSIONS:

A	4.50	±	0.50
B	4.10	±	0.30
C	2.00	±	0.30
D	1.50	±	0.30
E	1.00	±	0.50

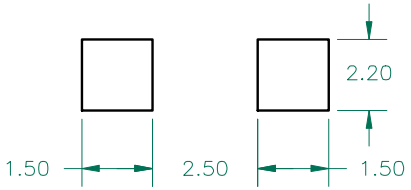


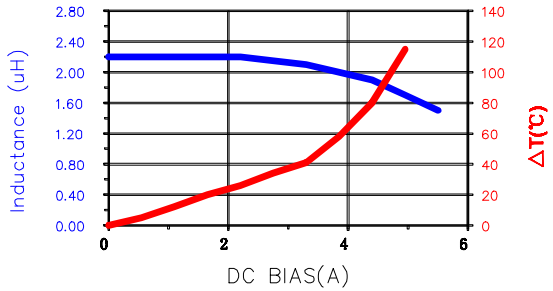
RoHS

Pb

UNCONTROLLED DOCUMENT

LAND PATTERNS FOR REFLOW SOLDERING





ELECTRICAL SPECIFICATION @ 25°C

	Min	Nom	Max
INDUCTANCE (uH) L @ 100 KHz/0.25V ±20%	1.76	2.20	2.64
DCR (Ω)			0.058

Saturation Current [3] Isat (A)	5.00
Temperature Rise Current Irms [4] (A)	3.00

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 30% 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
C	CHANGE DIMENSIONS AND ADD CURVE	01/04/13	QIU
B	CORRECT MARKING AND DIMENSION	03/21/12	QIU
A	ORIGINAL DRAFT	01/16/12	QIU

DIMENSIONS ARE IN mm.

Laird TECHNOLOGIES

PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
MGV04022R2M−10	C	POWER INDUCTOR	QIU

DATE:	SCALE:	SHEET:
01/16/12	NTS	1 of 1

CAD # MGV04022R2M−10−C TOOL # −