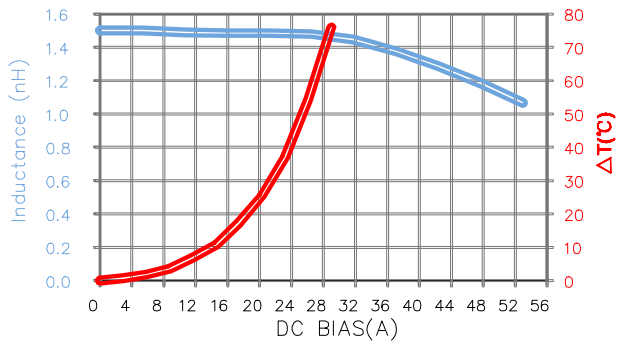
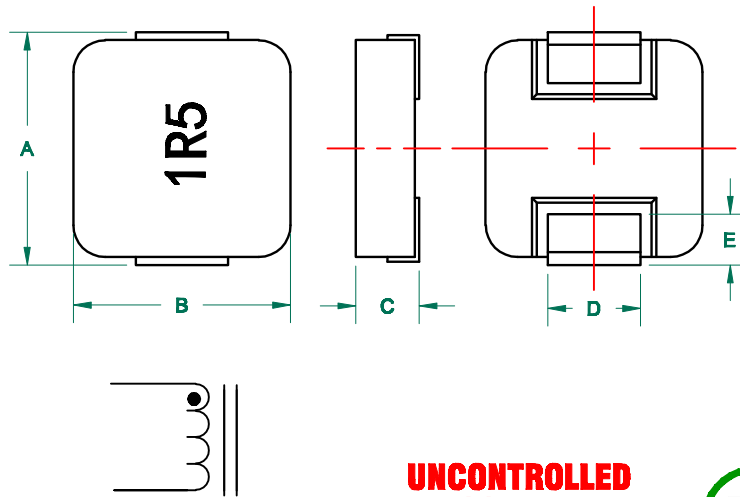
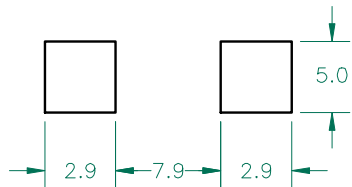


MGV12051R5M-10

PHYSICAL DIMENSIONS:

A	13.50	±	0.50
B	12.60	±	0.30
C	5.00	±	0.30
D	3.60	±	0.50
E	2.30	±	0.50

LAND PATTERNS FOR REFLOW SOLDERING



ELECTRICAL SPECIFICATION @ 25°C

	Min	Nom	Max
INDUCTANCE (uH)			
L @ 100 KHz/0.25V ± 20%	1.20	1.50	1.80
DCR (Ω)			0.0041

Saturation Current ³ Isat (A)	48.00
Temperature Rise Current Irms ⁴ (A)	23.00

UNCONTROLLED DOCUMENT



NOTES: UNLESS OTHERWISE SPECIFIED

- COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
- OPERATION TEMPERATURE RANGE:
-40°C~+125°C
- 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).
- TEMPERATURE RISE CURRENT (IRMS): DEFINITION OF TEMPERATURE RISE CURRENT: DC CURRENT THAT CAUSES THE TEMPERATURE RISE (ΔT =40°C) FROM 25°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:
				MGV12051R5M-10	C	POWER INDUCTOR	QIU
C	CHANGE TOLERANCE OF D FROM 0.30	03/26/13	QIU	DATE:	01/30/12	SCALE:	NTS
B	CORRECT MARKING AND DIMENSION	07/24/12	QIU	CAD #		TOOL #	
A	ORIGINAL DRAFT	01/30/12	QIU				
REV	DESCRIPTION	DATE	INT	MGV12051R5M-10-C			1 of 1