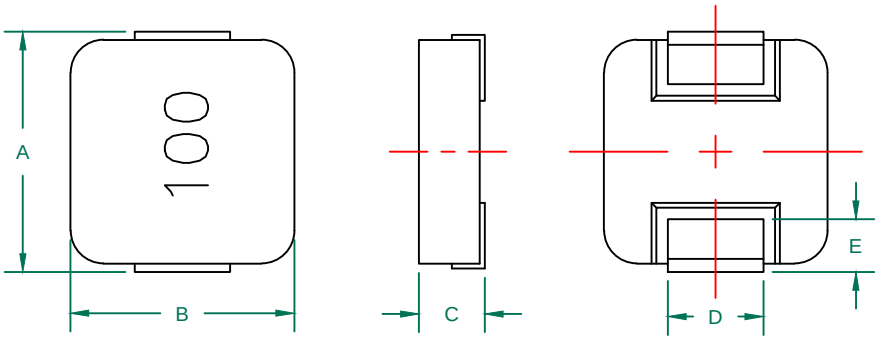
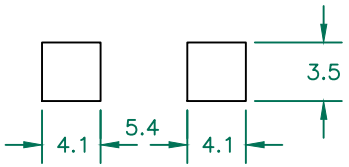
MGV1004100M-12

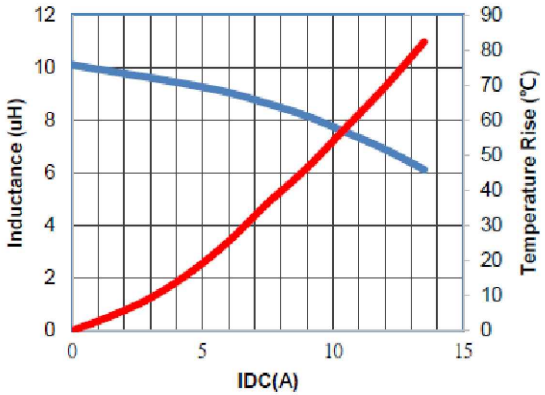
PHYSICAL DIMENSIONS:

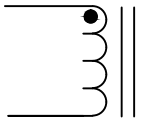
A	11.00	±	0.50
B	10.00	±	0.30
C	4.00	±	0.40
D	3.00	±	0.30
E	2.30	±	0.30



LAND PATTERNS FOR REFLOW SOLDERING







RoHS

ELECTRICAL SPECIFICATION @ 25℃

	Min	Nom	Max
INDUCTANCE (uH) L @ 100KHz/0.25V ± 20%	8.0	10.0	12.0
DCR (mΩ)			30.00

Saturation Current [3] Isat (A)	12.00
Temperature Rise Current Irms [4] (A)	7.50

NOTES: UNLESS OTHERWISE SPECIFIED

1. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.

2. OPERATION TEMPERATURE RANGE:
   −55℃~+125℃ (INCLUDING SELF−HEATING) .

3. SATURATION CURRENT Isat IS DEFINED AS MAXIMUM AMOUNT OF CURRENT BY WHICH INDUCTANCE WILL DROP BY APPROXIMATELY VALUE OF 30% OF INITIAL INDUCTANCE (Ta=25±5℃).

4. DEFINITION OF TEMPERATURE RISE CURRENT (IRMS):
   DC CURRENT THAT CAUSES THE TEMPERATURE RISE (△T APPROXIMATELY 40℃) FROM 25℃ AMBIENT.

REV	DESCRIPTION	DATE	INT
A	ORIGINAL DRAFT	08/17/18	Jonson

DIMENSIONS ARE IN mm.

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Laird

PROJECT/PART NUMBER: MGV1004100M−12	REV: A	PART TYPE: POWER INDUCTOR	DRAWN BY: Jonson
DATE: 08/17/18	SCALE: NTS	SHEET: 1 of 1	
CAD #: MGV1004100M−12−A	TOOL #: −		