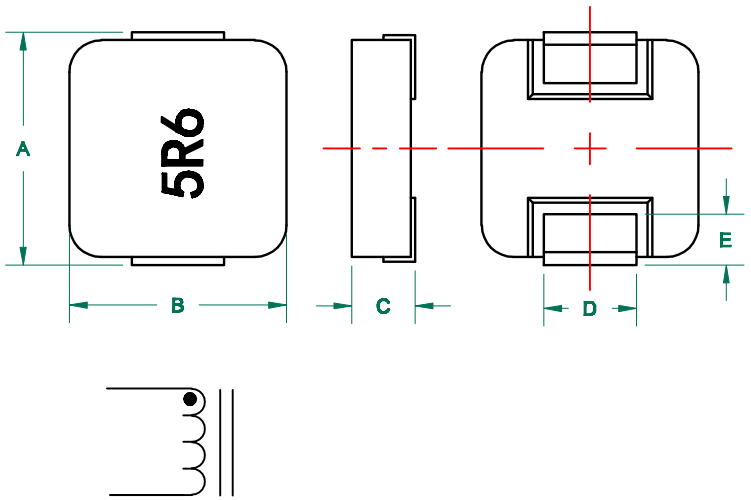
MGV12075R6M-10

PHYSICAL DIMENSIONS:

A	13.50	±	0.50
B	12.60	±	0.30
C	6.20	±	0.30
D	3.60	±	0.50
E	2.30	±	0.50

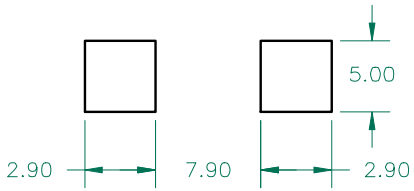


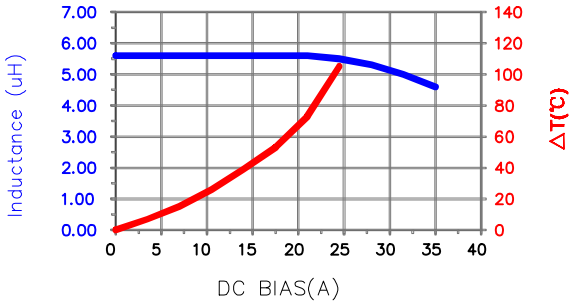
RoHS

Pb

UNCONTROLLED DOCUMENT

LAND PATTERNS FOR REFLOW SOLDERING





ELECTRICAL SPECIFICATION @ 25°C

	Min	Nom	Max
INDUCTANCE (uH) L @ 100 KHz/0.25V ±20%	4.48	5.60	6.72
DCR (Ω)			0.010

Saturation Current [3] Isat (A)	32.0
Temperature Rise Current Irms [4] (A)	13.5

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.

DIMENSIONS ARE IN mm.

REV	DESCRIPTION	DATE	INT
A	ORIGINAL DRAFT	06/26/13	QIU

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:
MGV12075R6M−10	A	POWER INDUCTOR	QIU

DATE:	SCALE:	SHEET:
06/26/13	NTS	1 of 1

CAD # MGV12075R6M−10−A TOOL # −