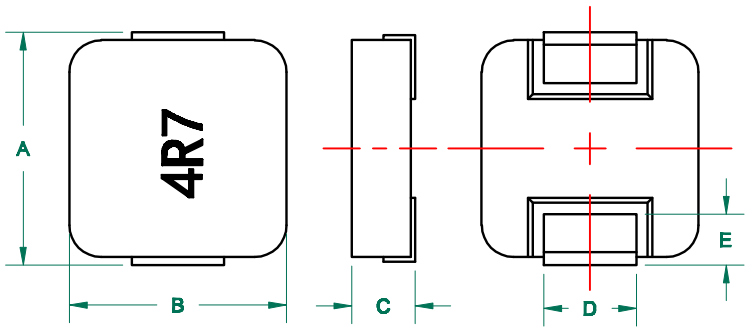
MGV12074R7M-10

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

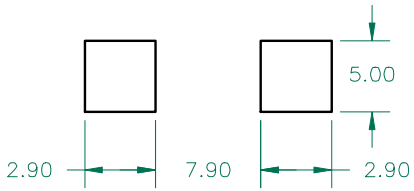


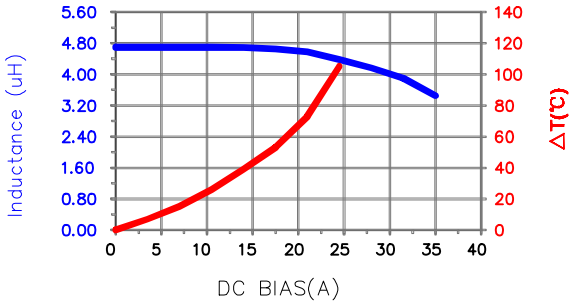
RoHS

Pb

UNCONTROLLED DOCUMENT

LAND PATTERNS FOR REFLOW SOLDERING





ELECTRICAL SPECIFICATION @ 25°C

	Min	Nom	Max
INDUCTANCE (uH) L @ 100 KHz/0.25V ±20%	3.76	4.70	5.64
DCR (Ω)			0.0087

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

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PROJECT/PART NUMBER:	REV	PART TYPE:	DRAWN BY:
MGV12074R7M−10	A	POWER INDUCTOR	QIU

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

CAD # MGV12074R7M−10−A TOOL # −