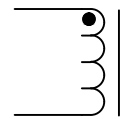
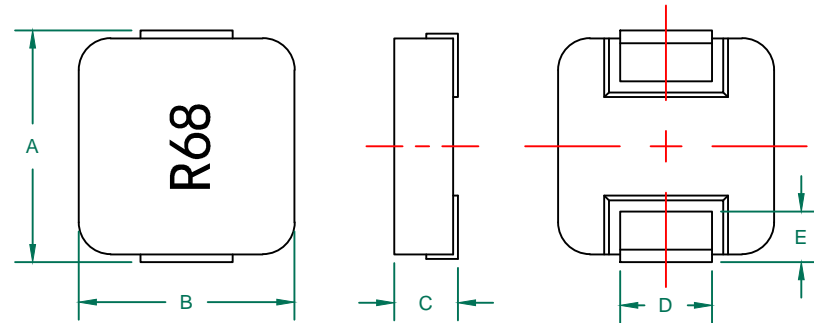
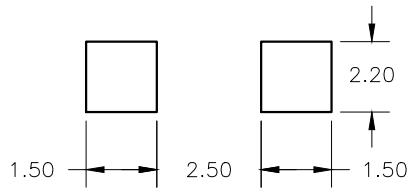


# MGA0402R68M-10

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

LAND PATTERNS FOR REFLOW SOLDERING



NOTES: UNLESS OTHERWISE SPECIFIED

- COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
- OPERATION TEMPERATURE RANGE:  
-40°C~+125°C (INCLUDING SELF-HEATING).
- DEFINITION OF SATURATION CURRENT (ISAT): DC CURRENT AT WHICH THE INDUCTANCE DROPS APPROXIMATELY 30% FROM ITS VALUE WITHOUT CURRENT.
- DEFINITION OF TEMPERATURE RISE CURRENT (IRMS): DC CURRENT THAT CAUSES THE TEMPERATURE RISE ( $\Delta T \leq 40^\circ\text{C}$ ) FROM 25°C AMBIENT.

	Min	Nom	Max
INDUCTANCE ( $\mu\text{H}$ ) L @ 100KHz/0.25V $\pm 20\%$	0.544	0.68	0.816
DCR ( $\Omega$ )			0.020

Saturation Current <sup>3</sup> Isat (A)	7.0
Temperature Rise Current <sup>4</sup> Irms (A)	5.0

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.			
PROJECT/PART NUMBER:				Laird			
MGA0402R68M-10				REV	PART TYPE:	DRAWN BY:	
				A	POWER INDUCTOR	QIU	
DATE:				SCALE:		SHEET:	
05/03/17				NTS		1 of 1	
REV	DESCRIPTION	DATE	INT	CAD #	TOOL #		
A	ORIGINAL DRAFT	05/03/17	QIU	MGA0402R68M-10-A	-		