ABRACON

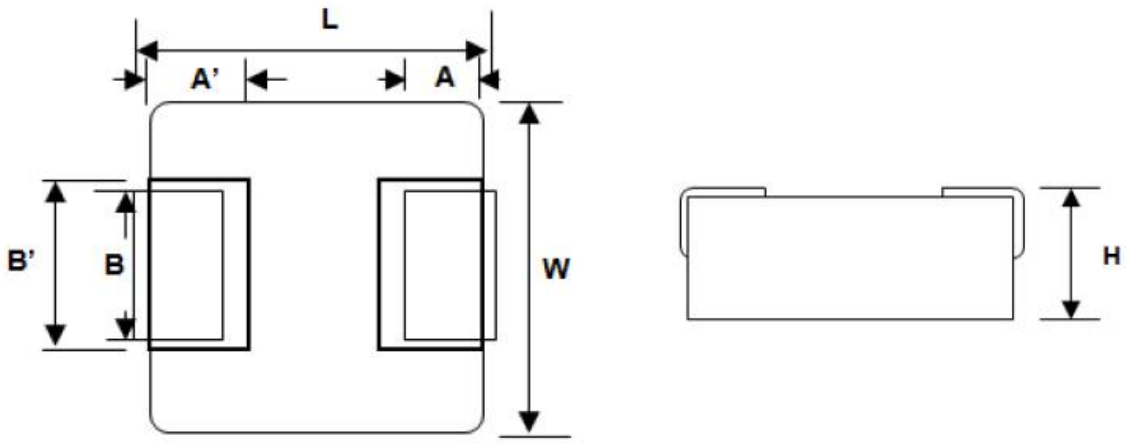
Engineering/Process Change Notice

ECN/PCN No.: M1385

For Manufacturer			
Product Description: Molded Power Inductor	**Abracon Part Number / Part Series:** ASPI-0520LR Series	☐ Documentation only ☒ ECN ☐ EOL	☒ Series ☐ Part Number(s)
Affected Revision: A	**New Revision:** B	**Application:**	☐ Safety ☒ Non-Safety

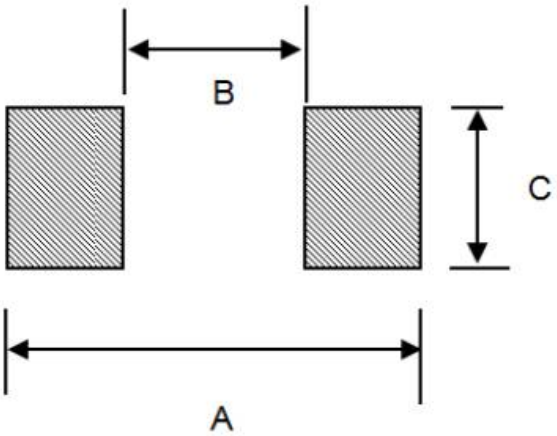
Prior to Change:

7.0 Mechanical Dimension



A	A'	B	B'	L	W	H
1.0 ±0.4	1.5 ±0.1	2.0 ±0.3	2.5 ±0.2	5.60 ±0.35	5.2 ±0.2	2.0 ±0.1

7.1 Recommended Land Pattern

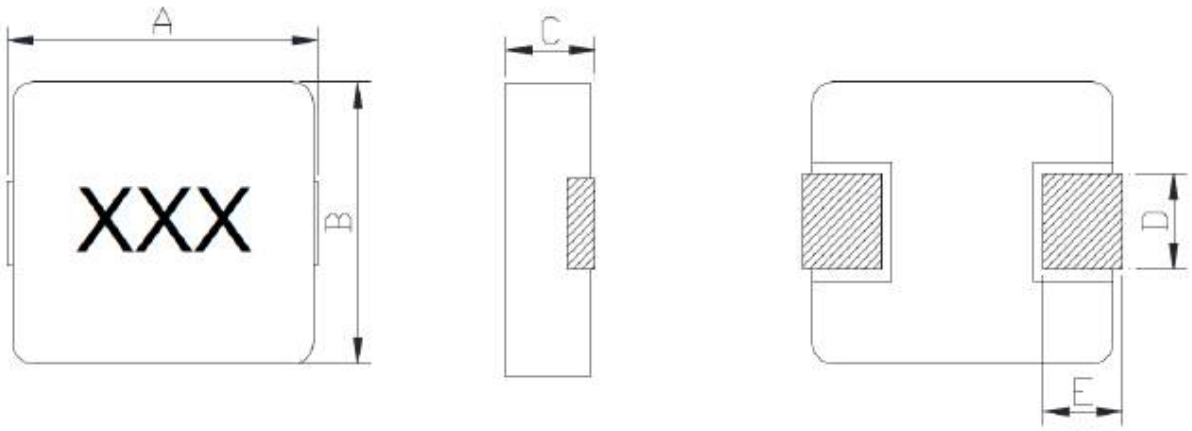


A	B	C
5.99	2.2	2.5

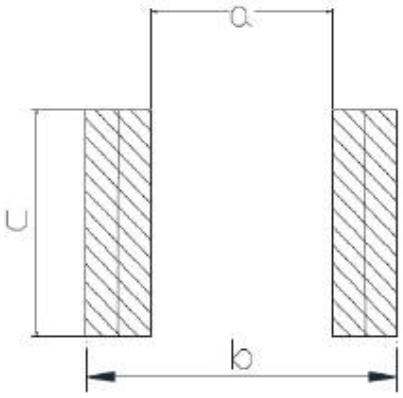
Pad Analysis for the original recommended PCB pad layout and the inductors electrodes.

After Change:

Mechanical Specifications



A	B	C	D	E
5.7 ±0.3	5.3 ±0.4	2.1 MAX	2.0 ±0.5	1.2 ±0.5



Recommended Layout

a	b	c
3.0 TYP	7.0 TYP	2.5 TYP

Dimension: mm

Pad Analysis for the original recommended PCB pad layout and the inductors electrodes of the updated package.

Cause/Reason for Change:
Changing production lines for capacity increase.

Change Plan

Effective Date:	**Additional Remarks:**
8/1/2022	

Change Declaration:
The overall mechanical outline has changed slightly. More importantly, the recommended pad layout has changed. Design engineers must review and ensure new pad dimension are permittable. Please review the included pad dimension analysis illustrations.

Issued Date:	**Issued By:**	**Issued Department:**
8/1/2022	*Gerald Capwell*	Engineering
Approval: *Syed Raza* Engineering VP	**Approval:** *Reuben Quintanilla* Quality Director	**Approval:** *Ying Huang* Purchasing Director

For Abracon EOL only

Last Time Buy (if applicable):	**Alternate Part Number / Part Series:**

Additional Approval:	**Additional Approval:**	**Additional Approval:**

Customer Approval (If Applicable)

Qualification Status:

☐ Approved ☐ Not accepted

Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.

Customer Part Number:	**Customer Project:**

Company Name:	**Company Representative:**	**Representative Signature:**

Customer Remarks:

Brand	Affected PN
Abracon	ASPI-0520LR-1R0M-T2
Abracon	ASPI-0520LR-2R2M-T2
Abracon	ASPI-0520LR-3R3M-T2
Abracon	ASPI-0520LR-4R7M-T2
Abracon	ASPI-0520LR-5R6M-T2