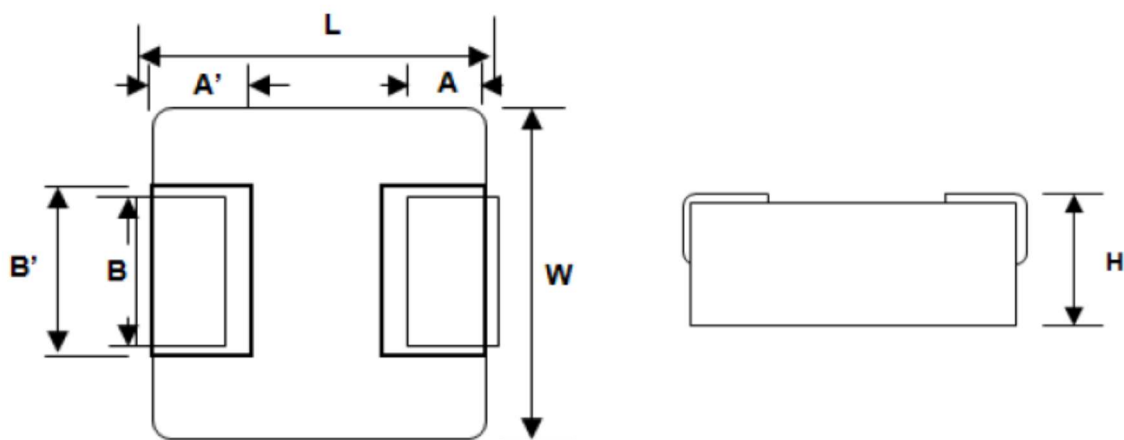


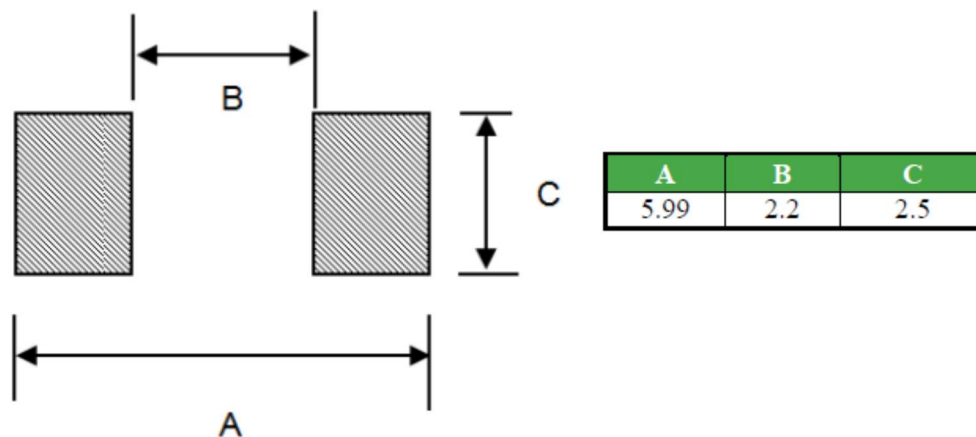
ECN/PCN No.: M1385

For Manufacturer			
<b>Product Description:</b>  <b>Molded Power Inductor</b>	<b>Abracon Part Number / Part Series:</b>  <b>ASPI-0520LR Series</b>	<input type="checkbox"/> Documentation only <input checked="" type="checkbox"/> ECN <input type="checkbox"/> EOL	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number(s)
<b>Affected Revision:</b> A	<b>New Revision:</b> B	<b>Application:</b>	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> 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**


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

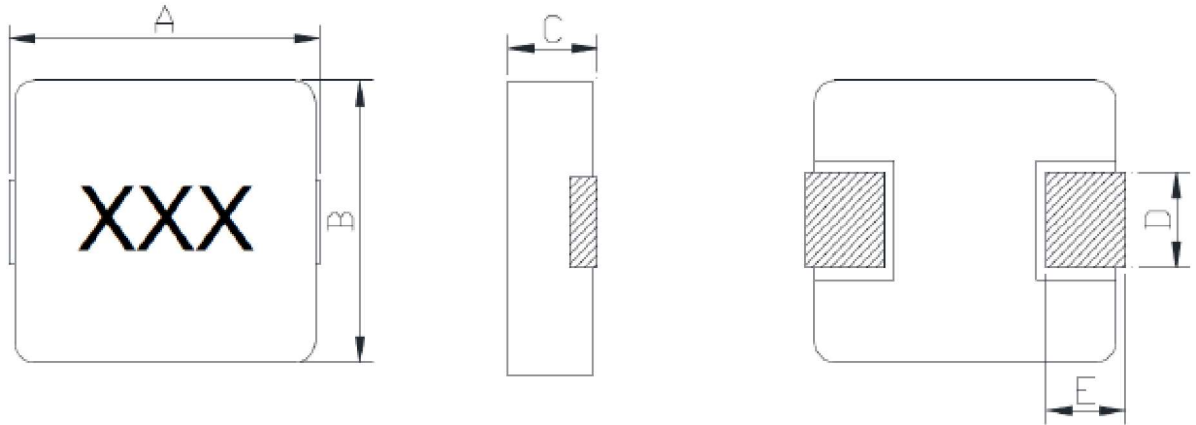
Inductor electrodes height:	<input type="text" value="2.0"/>	PCB footprint pads height:	<input type="text" value="2.5"/>
Inductor electrodes length:	<input type="text" value="5.6"/>	PCB footprint pads length:	<input type="text" value="6"/>
Inductor electrodes gap:	<input type="text" value="2.6"/>	PCB footprint pads gap:	<input type="text" value="2.2"/>
Enter a Scaling Value:	<input type="text" value="3"/>	Dimensions [mm]	
<small>(Adjust value to zoom in or out, i.e 1.00, 0.5, 3.5..etc)</small>			

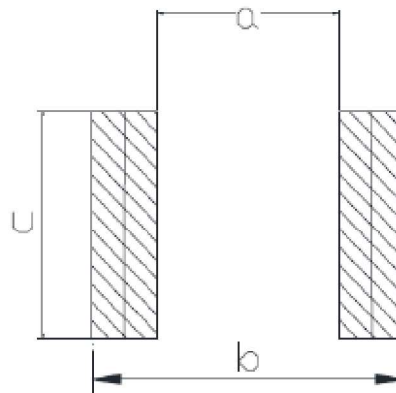
■ Original Recommended PCB pads  
■ Original Inductor electrodes

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.

<b>Inductor electrodes height:</b> <input type="text" value="2.0"/> <b>Inductor electrodes length:</b> <input type="text" value="5.7"/> <b>Inductor electrodes gap:</b> <input type="text" value="3.3"/> <b>Enter a Scaling Value:</b> <input type="text" value="3"/> <small>(Adjust value to zoom in or out, i.e 1.00, 0.5, 3.5, etc)</small>	<b>PCB footprint pads height:</b> <input type="text" value="2.5"/> <b>PCB footprint pads length:</b> <input type="text" value="6"/> <b>PCB footprint pads gap:</b> <input type="text" value="2.2"/> <b>Dimensions [mm]</b>
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■ Original Recommended PCB pads  
■ Changed Inductor electrodes

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

### Change Plan

<b>Effective Date:</b> 8/1/2022	<b>Additional Remarks:</b>
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**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 dimensions are permissible. Please review the included pad dimension analysis illustrations.

<b>Issued Date:</b> 8/1/2022	<b>Issued By:</b>	<b>Issued Department:</b>
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<b>Approval:</b>	<b>Approval:</b>	<b>Approval:</b>
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### For Abracon EOL only

<b>Last Time Buy (if applicable):</b>	<b>Alternate Part Number / Part Series:</b>
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<b>Additional Approval:</b>	<b>Additional Approval:</b>	<b>Additional Approval:</b>
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### 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.*

<b>Customer Part Number:</b>	<b>Customer Project:</b>
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<b>Company Name:</b>	<b>Company Representative:</b>	<b>Representative Signature:</b>
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**Customer Remarks:**