

ECN/PCN No.: M1396

For Manufacturer			
Product Description: MOLDED TYPE POWER INDUCTOR	Abracon Part Number / Part Series: ASPI-0530HI Series	<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)
Affected Revision: B	New Revision: C	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

Prior to Change:

Part Number	Inductance	Tolerance	DCR Typ	DCR Max	Saturation Current	Temperature Rise Current
Units	μH	%	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	M			Isat*	Irms*
ASPI-0530HI-1R0	1.0	M	13.0	14.0	11.0	7.0
ASPI-0530HI-1R5	1.5	M	20.0	25.0	10.0	6.0
ASPI-0530HI-2R2	2.2	M	29.0	35.0	9.0	5.5

After Change:

Part Number	Inductance	Tolerance	DCR Typ	DCR Max	Saturation Current	Temperature Rise Current
Units	μH	%	$\text{m}\Omega$	$\text{m}\Omega$	A	A
Symbol	L	M			Isat*	Irms*
ASPI-0530HI-R22	0.22	M	4.0	5.0	23.0	15.0
ASPI-0530HI-R33	0.33	M	5.0	6.0	20.0	12.0
ASPI-0530HI-R47	0.47	M	6.3	7.4	18.0	13.0
ASPI-0530HI-R68	0.68	M	9.1	10.0	14.0	10.0
ASPI-0530HI-1R0	1.0	M	13.0	14.0	11.0	7.0
ASPI-0530HI-1R5	1.5	M	20.0	25.0	10.0	6.0
ASPI-0530HI-2R2	2.2	M	29.0	35.0	9.0	5.5
ASPI-0530HI-3R3	3.3	M	34.0	38.0	8.0	5.0
ASPI-0530HI-4R7	4.7	M	54.0	60.0	4.5	4.5
ASPI-0530HI-5R6	5.6	M	55.0	65.0	4.0	4.5
ASPI-0530HI-6R8	6.8	M	65.0	76.5	4.0	3.8
ASPI-0530HI-100	10.0	M	104	120	3.5	3.2

Maximum Voltage: 30VDC

Cause/Reason for Change: More parts has been added to the series. Max. Voltage rating has been added		
Change Plan		
Effective Date: 10/24/2022	Additional Remarks:	
Change Declaration: The change does not affect the form, fit, or function of any device in the series. 9 new part has been added to the series, Max voltage rating, and performance graphs have been updated .		
Issued Date: 10/24/2022	Issued By: <i>Ahmed Alamin</i>	Issued Department: Engineering
Approval: <i>Syed Raza</i> Engineering VP	Approval: <i>Reuben Quintanilla</i> Quality Director	Approval: <i>Ying Huang</i> 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:		
<input type="checkbox"/> Approved <input type="checkbox"/> Not accepted		
<i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>		
Customer Part Number:	Customer Project:	
Company Name:	Company Representative:	Representative Signature:
Customer Remarks:		