

ECN/PCN No.: M1731

For Manufacturer

Product Description: Differential Mode Toroidal Coil Inductor	Abracon Part Number / Part Series: ATCA-08	<input type="checkbox"/> Documentation only	<input checked="" type="checkbox"/> Series
		<input checked="" type="checkbox"/> ECN	<input type="checkbox"/> Part Number(s)
		<input type="checkbox"/> EOL	
Affected Revision: C	New Revision: D	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

Prior to Change:

Part Number	L(μH)	Tolerance	DCR(Ω)	IDC(A)	Dimension (mm) E (dia.)
		(%)	(max)	(max)	(Nom)
ATCA-08-750M	75	M	.014	10.0	1.60
ATCA-08-131M	130	M	.031	7.0	1.30
ATCA-08-201M	200	M	.056	5.0	1.00
ATCA-08-251M	250	M	.027	10.0	1.60
ATCA-08-471M	470	M	.064	7.0	1.30
ATCA-08-681M	680	M	.105	5.0	1.00

Test Conditions

Test Freq for L: 1KHz, 0.1Vrms
I_{dc}: max. 10% inductance drop from initial value

After Change:

Part Number	L(μH)	Tolerance	DCR(Ω)	Isat (A)	Irms(A)	Dimension (mm) E (dia.)
		(%)	(max)	(typ)	(max)	(Nom)
ATCA-08-750M	75	M	.014	8.4	10.0	1.60
ATCA-08-131M	130	M	.031	6.4	7.0	1.30
ATCA-08-201M	200	M	.056	5.1	5.0	1.00
ATCA-08-251M	250	M	.027	4/6	10.0	1.60
ATCA-08-471M	470	M	.064	3.3	7.0	1.30
ATCA-08-681M	680	M	.105	2.7	5.0	1.00

Test Conditions

Test Freq for L: 1KHz, 0.1Vrms
I_{sat}: current to drop in initial value of inductance by 30%.
I_{rms}: current to increase body temperature by Δ40%.

Cause/Reason for Change:

Definition of IDC was incorrect and needed to be corrected.

Change Plan

Effective Date: 6/8/2026	Additional Remarks: N/A	
Change Declaration: There is no change to fit. Abracon recommends careful review of the changes to the IDC definition and its relationship to Isat and Irms.		
Issued Date: 6/8/2026	Issued By: Gerald Capwell	Issued Department: Engineering
Approval:	Approval:	Approval:

<i>Gerald Capwell</i> Director of Engineering	<i>Reuben Quintanilla</i> Quality Director	<i>Ying Huang</i> Purchasing Director
For Abracon EOL only		
Last Time Buy (if applicable): <div style="text-align: right; color: blue;">N/A</div>	Alternate Part Number / Part Series: <div style="text-align: right; color: blue;">N/A</div>	
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:		