

ECN/PCN No.:

For Manufacturer			
<b>Product Description:</b> Molded Inductor	<b>Abracon Part Number / Part Series:</b> AMDLA4020Q	<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> Initial Release	<b>New Revision:</b> A	<b>Application:</b>	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

**Prior to Change:**

1. Electrical Specifications:

Part Number*	Inductance (uH)	Tolerance (%)	Irms (A)	Isat (A)	DC Resistance (mΩ)		Type
					Typ	Max	
AMDLA4020Q-R12MT	0.12	20	15	30	3.5	4.2	Lead Frame
AMDLA4020Q-R22MT	0.22	20	14	24	6.2	7.4	Lead Frame
AMDLA4020Q-R33MT	0.33	20	11	14	7.0	8.4	Lead Frame
AMDLA4020Q-R47MT	0.47	20	10	14	9.4	11.3	Lead Frame
AMDLA4020Q-R68MT	0.68	20	9.0	12	13.3	16	Lead Frame
AMDLA4020Q-1R0MT	1	20	6.5	9.0	16.4	20	Lead Frame
AMDLA4020Q-1R5MT	1.5	20	4.8	7.5	22	26	Lead Frame
AMDLA4020Q-2R2MT	2.2	20	4.5	6.0	31.5	38	Lead Frame
AMDLA4020Q-3R3MT	3.3	20	3.5	5.0	45	54	Lead Frame
AMDLA4020Q-4R7MT	4.7	20	3.0	4.5	58	70	Lead Frame
AMDLA4020Q-6R8MT	6.8	20	2.4	3.5	86	103	Lead Frame
AMDLA4020Q-100MT	10	20	2.0	3.5	170	190	Lead Frame
AMDLA4020Q-150MT	15	20	1.8	2.6	240	275	Lead Frame
AMDLA4020Q-220MT	22	20	1.2	2.1	265	320	Lead Frame

2. Packaging

Tape and Reel: 3,000  
 Pieces per Carton: 24,000  
 T&R per Carton: 8  
 Weight per Carton: 14.5 kg  
 Weight per Piece: 0.43 g  
 Carton Dimensions: 360x360x400 mm

**After Change:**

Part Number*	Inductance (uH)	Tolerance (%)	Irms Max (A)	Isat Max (A)	DC Resistance (mΩ)		Type
					Typ	Max	
AMDLA4020Q-R12MT	0.12	20	12	17	4.2	5.0	Lead Frame
AMDLA4020Q-R22MT	0.22	20	11	15	7.0	8.0	Lead Frame
AMDLA4020Q-R33MT	0.33	20	9.0	13	7.79	9.5	Lead Frame
AMDLA4020Q-R47MT	0.47	20	8.5	8.0	9.2	14.0	Lead Frame
AMDLA4020Q-R68MT	0.68	20	7.0	7.5	11.2	13.5	Lead Frame
AMDLA4020Q-1R0MT	1	20	5.5	7.0	17.0	21.0	Lead Frame
AMDLA4020Q-1R5MT	1.5	20	4.0	5.4	22.0	26.0	Lead Frame
AMDLA4020Q-2R2MT	2.2	20	4.2	4.2	31.5	38.0	Lead Frame
AMDLA4020Q-3R3MT	3.3	20	3.0	3.5	47.5	55.0	Lead Frame
AMDLA4020Q-4R7MT	4.7	20	2.2	3.2	56.7	70.0	Lead Frame
AMDLA4020Q-6R8MT	6.8	20	2.4	2.6	114.0	138.0	Lead Frame
AMDLA4020Q-100MT	10	20	1.8	2.1	170.0	190.0	Lead Frame
AMDLA4020Q-150MT	15	20	1.2	1.6	220.0	275.0	Lead Frame
AMDLA4020Q-220MT	22	20	0.9	1.4	277.0	460.0	Lead Frame

**11.0 Packaging**

Tape and Reel: 3,000 pcs

**Cause/Reason for Change:**

Update to the electrical specifications of the series

**Change Plan**

**Effective Date:**

9/18/2020

**Additional Remarks:**

**Change Declaration:**

The Irms, Isat, DCR values of the series were updated. The mechanical specifications remain the same.

**Issued Date:**

9/18/2020

**Issued By:**

Ahmed Alamin

**Issued Department:**

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:**

<b>Company Name:</b>	<b>Company Representative:</b>	<b>Representative Signature:</b>
<b>Customer Remarks:</b>		