

ECN/PCN No.: M1321

For Manufacturer

Product Description: MOLDED INDUCTOR	Abracon Part Number / Part Series: AMPLA7030Q	☐ Documentation only ☒ ECN ☐ EOL	☒ Series ☐ Part Number
Affected Revision: Initial Release	New Revision: A	Application:	☐ Safety ☒ Non-Safety

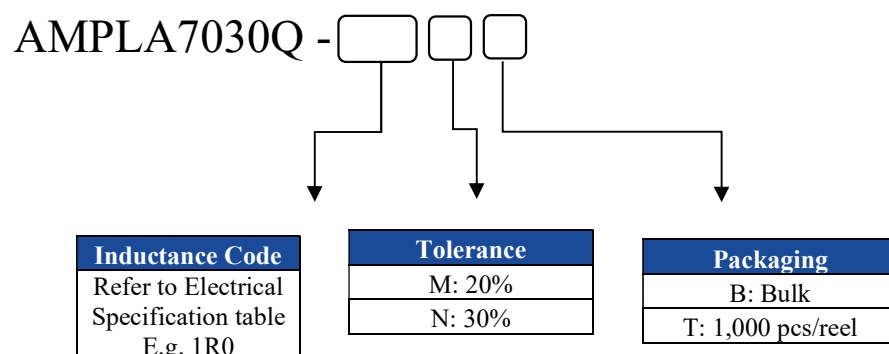
Prior to Change:

2.0 Key Standard Electrical Specifications @ 25°C

Part Number*	Inductance (uH)	Tolerance (%)	Irms (A)	Isat (A)	DC Resistance (mΩ)		Type
					Typ	Max	
AMPLA7030Q-R10NT	0.10	30	32.5	60	1.2	1.7	Lead Frame
AMPLA7030Q-R13NT	0.13	30	27.6	50	1.3	1.8	Lead Frame
AMPLA7030Q-R15NT	0.15	30	27	45	1.5	1.9	Lead Frame
AMPLA7030Q-R16NT	0.16	30	27	45	1.5	1.9	Lead Frame
AMPLA7030Q-R18NT	0.18	30	25	43	1.7	2.3	Lead Frame
AMPLA7030Q-R19NT	0.19	30	24	41	1.8	2.5	Lead Frame
AMPLA7030Q-R20NT	0.20	30	24	41	1.8	2.5	Lead Frame
AMPLA7030Q-R22NT	0.22	30	23	40	2.1	2.8	Lead Frame
AMPLA7030Q-R25MT	0.25	20	21	39	3.3	3.5	Lead Frame
AMPLA7030Q-R33MT	0.33	20	20	32	3.5	3.9	Lead Frame
AMPLA7030Q-R36MT	0.36	20	19	32	3.6	4.2	Lead Frame
AMPLA7030Q-R40MT	0.40	20	18	27.5	3.7	4.1	Lead Frame
AMPLA7030Q-R47MT	0.47	20	17.5	26	4.0	4.2	Lead Frame
AMPLA7030Q-R56MT	0.56	20	16.5	25.5	4.7	5.0	Lead Frame
AMPLA7030Q-R60MT	0.6	20	16	25.5	4.7	5.2	Lead Frame
AMPLA7030Q-R68MT	0.68	20	15.5	25	4.8	5.5	Lead Frame
AMPLA7030Q-R75MT	0.75	20	14.5	24.5	5.5	6.6	Lead Frame
AMPLA7030Q-R82MT	0.82	20	13	24	6.7	8	Lead Frame
AMPLA7030Q-R90MT	0.9	20	11	22	8.3	10	Lead Frame
AMPLA7030Q-1R0MT	1	20	11	22	8.3	10	Lead Frame
AMPLA7030Q-1R2MT	1.2	20	10	20	10	12	Lead Frame
AMPLA7030Q-1R5MT	1.5	20	9.0	18	13	15	Lead Frame
AMPLA7030Q-1R8MT	1.8	20	8.5	16	14	17	Lead Frame
AMPLA7030Q-2R0MT	2.0	20	8.2	15	16	19	Lead Frame
AMPLA7030Q-2R2MT	2.2	20	8.0	14	18	20	Lead Frame
AMPLA7030Q-2R5MT	2.5	20	7.0	13	20	22	Lead Frame
AMPLA7030Q-2R7MT	2.7	20	7.0	13	24	27	Lead Frame
AMPLA7030Q-3R3MT	3.3	20	6.0	13.5	28	30	Lead Frame
AMPLA7030Q-4R7MT	4.7	20	5.5	10	37	40	Lead Frame
AMPLA7030Q-5R6MT	5.6	20	5.0	9.0	43	48	Lead Frame
AMPLA7030Q-6R8MT	6.8	20	4.5	8.0	54	60	Lead Frame
AMPLA7030Q-8R2MT	8.2	20	4.0	7.5	64	68	Lead Frame
AMPLA7030Q-100MT	10	20	3.5	6.0	75	85	Lead Frame
AMPLA7030Q-120MT	12	20	3.3	5.5	81	93	Lead Frame
AMPLA7030Q-150MT	15	20	3.0	4.0	107	123	Lead Frame
AMPLA7030Q-180MT	18	20	2.5	4.0	140	160	Lead Frame
AMPLA7030Q-220MT	22	20	2.0	3.5	165	190	Lead Frame
AMPLA7030Q-330MT	33	20	2.0	2.5	200	240	Lead Frame
AMPLA7030Q-470MT	47	20	1.75	2.0	302	363	Lead Frame

* Please refer to Part Identification Section

3.0 Part Identification



4.0 Packaging

Tape and Reel: 1,000
 Pieces per Carton: 8,000
 T&R per Carton: 8
 Weight per Carton: 11.1kg
 Weight per Piece: 0.75g
 Carton Dimensions: 410 x 325 x 415mm

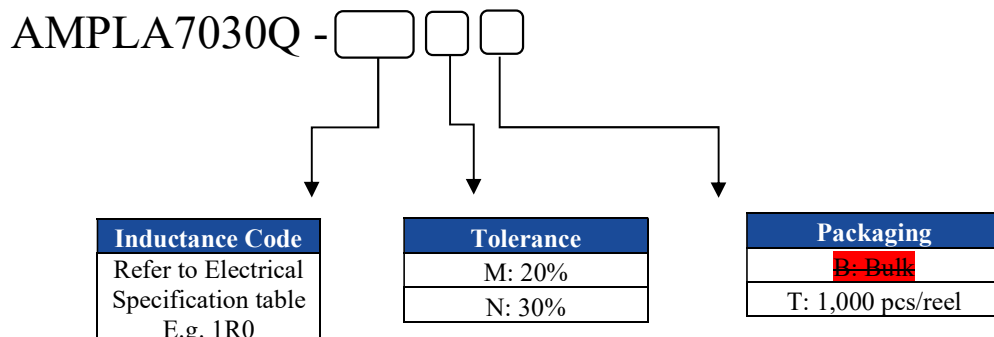
After Change:

5.0 Key Standard Electrical Specifications @ 25°C

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AMPLA7030Q-1R8MT	1.8	20	8.5	16	14	17	Lead Frame
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AMPLA7030Q-2R2MT	2.2	20	8.0	14	18	20	Lead Frame
AMPLA7030Q-2R5MT	2.5	20	7.0	13	20	22	Lead Frame
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Cause/Reason for Change: Part Identification and Packaging sections were updated; R30 was added to the series.

Change Plan

Effective Date:	Additional Remarks:
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Change Declaration: The Change does not affect form, fit, or function of any device in the series.

Issued Date: 10/15/2021	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:

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:**