

ECN/PCN No.: M1246

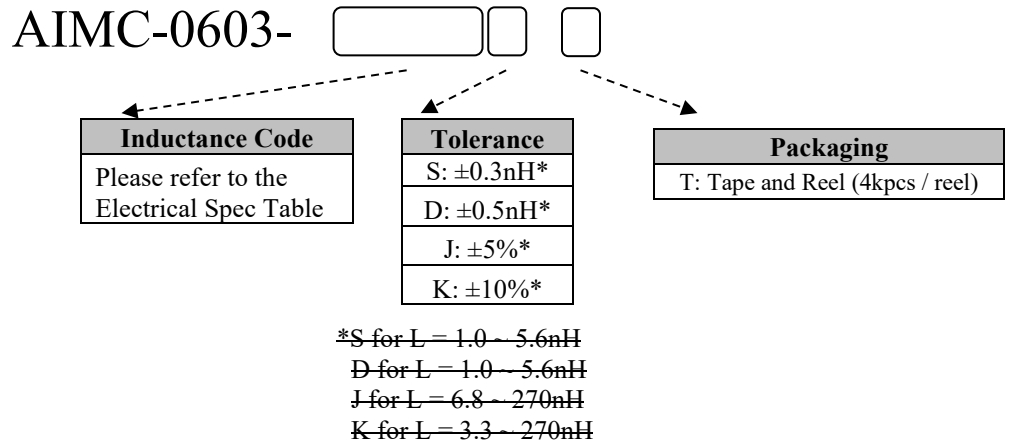
For Manufacturer			
Product Description: Multilayer Ceramic Chip Inductor	Abracon Part Number / Part Series: AIMC-0603 Series	<input type="checkbox"/> Documentation only <input checked="" type="checkbox"/> ECN <input type="checkbox"/> EOL	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number
Affected Revision: F	New Revision: G	Application: <input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety	

Prior to Change:

Key Electrical Specifications

Part No.	L(nH)	Tolerance	Q (MIN)	L,Q Test Freq.	SRF(MHz)	DCR(Ω)	Ir(mA)
				(MHz)	(min)	(max)	(max)
AIMC-0603-1N0	1.0	S, D	8	100	10000	0.05	500
AIMC-0603-1N2	1.2	S, D	8	100	10000	0.05	500
AIMC-0603-1N5	1.5	S, D	8	100	6000	0.10	500
AIMC-0603-1N8	1.8	S, D	8	100	6000	0.10	500
AIMC-0603-2N2	2.2	S, D	8	100	6000	0.10	500
AIMC-0603-2N7	2.7	S, D	10	100	6000	0.12	500
AIMC-0603-3N3	3.3	S, D, K	10	100	6000	0.15	500
AIMC-0603-3N9	3.9	S, D, K	10	100	6000	0.16	500
AIMC-0603-4N7	4.7	S, D, K	10	100	5500	0.20	500
AIMC-0603-5N6	5.6	S, D, K	10	100	4500	0.25	500
AIMC-0603-6N8	6.8	J, K	10	100	4000	0.30	500
AIMC-0603-8N2	8.2	J, K	10	100	3600	0.35	500
AIMC-0603-10N	10	J, K	12	100	3400	0.40	300
AIMC-0603-12N	12	J, K	12	100	2800	0.45	300
AIMC-0603-15N	15	J, K	12	100	2300	0.50	300
AIMC-0603-18N	18	J, K	12	100	2100	0.55	300
AIMC-0603-22N	22	J, K	12	100	1700	0.60	300
AIMC-0603-27N	27	J, K	12	100	1500	0.65	300
AIMC-0603-33N	33	J, K	12	100	1300	0.70	300
AIMC-0603-39N	39	J, K	12	100	1100	0.70	300
AIMC-0603-47N	47	J, K	12	100	1000	0.70	300
AIMC-0603-56N	56	J, K	12	100	900	0.75	300
AIMC-0603-68N	68	J, K	12	100	700	0.85	300
AIMC-0603-82N	82	J, K	8	100	600	1.00	300
AIMC-0603-R10	100	J, K	8	100	600	1.20	300
AIMC-0603-R12	120	J, K	8	50	500	1.40	200
AIMC-0603-R15	150	J, K	8	50	500	1.60	200
AIMC-0603-R18	180	J, K	8	50	400	1.90	200
AIMC-0603-R22	220	J, K	8	50	350	2.40	200
AIMC-0603-R27	270	J, K	8	50	350	2.60	150

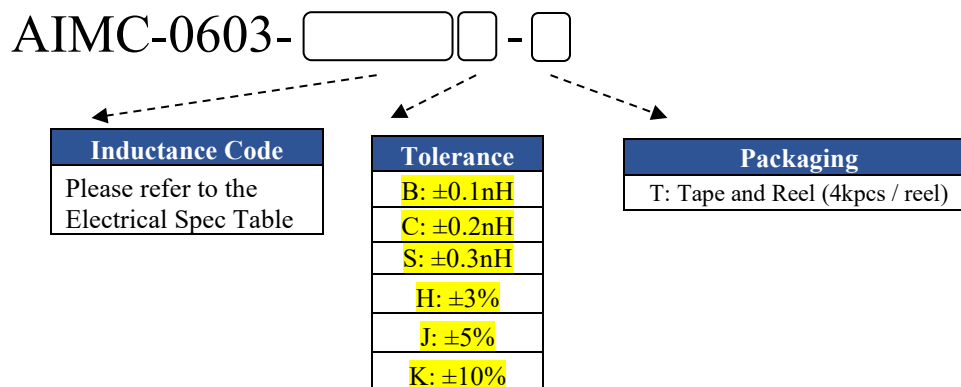
2.0 Part Number Identification



After Change:
Key Electrical Specifications

Part No.	L(nH)	Tolerance	Q (Typ.)	L,Q Test Freq.	SRF(MHz)	DCR(Ω)	Ir(mA)
				(MHz)			
AIMC-0603-1N0	1.0	B, C, S, D	13	100	10000	0.05	500
AIMC-0603-1N2	1.2	B, C, S, D	13	100	10000	0.05	500
AIMC-0603-1N5	1.5	B, C, S, D	13	100	6000	0.10	500
AIMC-0603-1N8	1.8	B, C, S, D	13	100	6000	0.10	500
AIMC-0603-2N2	2.2	B, C, S, D	13	100	6000	0.10	500
AIMC-0603-2N7	2.7	B, C, S, D	13	100	6000	0.12	500
AIMC-0603-3N3	3.3	B, C, S, D, K	13	100	6000	0.15	500
AIMC-0603-3N9	3.9	B, C, S, D, K	13	100	6000	0.16	500
AIMC-0603-4N7	4.7	B, C, S, D, K	13	100	6000	0.20	500
AIMC-0603-5N6	5.6	B, C, S, D, K	14	100	5000	0.25	500
AIMC-0603-6N8	6.8	H, J, K	14	100	5000	0.30	500
AIMC-0603-8N2	8.2	H, J, K	14	100	4500	0.35	500
AIMC-0603-10N	10	H, J, K	15	100	3500	0.40	300
AIMC-0603-12N	12	H, J, K	18	100	3000	0.45	300
AIMC-0603-15N	15	H, J, K	18	100	2300	0.50	300
AIMC-0603-18N	18	H, J, K	16	100	2200	0.55	300
AIMC-0603-22N	22	H, J, K	16	100	2000	0.60	300
AIMC-0603-27N	27	H, J, K	16	100	1700	0.65	300
AIMC-0603-33N	33	H, J, K	16	100	1500	0.70	300
AIMC-0603-39N	39	H, J, K	17	100	1400	0.70	300
AIMC-0603-47N	47	H, J, K	17	100	1200	0.70	300
AIMC-0603-56N	56	H, J, K	17	100	1100	0.75	300
AIMC-0603-68N	68	H, J, K	17	100	900	0.85	300
AIMC-0603-82N	82	H, J, K	15	100	800	1.00	300
AIMC-0603-R10	100	H, J, K	15	100	700	1.20	300
AIMC-0603-R12	120	H, J, K	15	50	600	1.40	200
AIMC-0603-R15	150	H, J, K	15	50	500	1.60	200
AIMC-0603-R18	180	H, J, K	15	50	400	1.90	200
AIMC-0603-R22	220	H, J, K	15	50	350	2.40	200
AIMC-0603-R27	270	H, J, K	16	50	350	2.60	150
AIMC-0603-R33	330	H, J, K	16	50	350	2.80	150
AIMC-0603-R39	390	H, J, K	16	50	300	3.20	150
AIMC-0603-R43	430	H, J, K	16	50	280	3.40	150
AIMC-0603-R47	470	H, J, K	15	50	250	3.60	150

3.0 Part Number Identification



Cause/Reason for Change: Adding R33,R39,R43,R47 to the series. Adding B, C tolerance and removing D, K tolerances for parts from 1N0 to 5N6. Adding H tolerance for parts from 6N8 to R47. Updating to the Q, SRF value.

Change Plan

Effective Date:	Additional Remarks:
------------------------	----------------------------

Change Declaration: The change does not affect form or fit of the devices. Refer to (**ECN-Partial EOL M1246 AIMC-0603 series** <https://abracon.com/downloads/ECN-PCN/Partial-ECN-EOL-M1246-AIMC-0603.pdf>) for the removed part numbers.

Issued Date: 7/29/2021	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:
------------------------------	--------------------------

Company Name:	Company Representative:	Representative Signature:
----------------------	--------------------------------	----------------------------------

Customer Remarks:

