



Multilayer Inductor part number explanation

TDK full part number includes an internal coding structure to denote particular attributes used in our factories. TDK is now including these internal codes (full part number as part of the ordering code).

TDK Part number Structure

MLG	0603		S	0N3		S	T	□□□	
Series name	L×W×H Dimensions (mm)		Product internal code	Inductance (nH)		Inductance tolerance		Packaging style	Internal code
	0603	0.6×0.3×0.3	B	1N1	1.1	B	±0.1nH	T	Taping
	1005	1.0×0.5×0.5	S	11N	11	C	±0.2nH		
	1608	1.6×0.8×0.8		R10	100	S	±0.3nH		
				1R0	1000	D	±0.5nH		
						H	±3%		
						J	±5%		

MLP	1608		V	R47		B	T	□□□	
Series name	L×W Dimensions (mm)		Characteristic type		Inductance (μH)		Height (mm max.)		Packaging style
	1005	1.0×0.5	K	Large current, low resistance		1R0	1.0	T	0.55
	1608	1.6×0.8	H	Low core loss (Emphasized DC resistance)		100	10	D	0.75
	2012	2.0×1.25				S1R0S	1.2	B	0.95
	2016	2.0×1.6	V	Low core loss (Emphasized DC bias characteristics)		S2R2S	2.5	M	1.0
			S	STD product				S	1.2
			M	High frequency					

MHQ	0603		P	0N6		S	T	000	
Series name	L×W×H Dimensions (mm)		Characteristics	Inductance (nH)		Inductance tolerance		Packaging style	Internal code
	0603	0.65×0.35×0.35	P	0N6	0.6	B	±0.1nH	T	Taping
	1005	1.0×0.5×0.5		1N1	1.1	C	±0.2nH		
				11N	11	S	±0.3nH		
						G	±2%		
						H	±3%		
						J	±5%		

TDK Part number structure

MLG	0603	S	0N3	S	T	□□□	
Series name	L×W×H Dimensions (mm)		Inductance (nH)		Inductance tolerance		Internal code
	0603	0.6×0.3×0.3	1N1	1.1	B	±0.1nH	
	1005	1.0×0.5×0.5	11N	11	C	±0.2nH	
	1608	1.6×0.8×0.8	R10	100	S	±0.3nH	
		Product internal code			Packaging style		
		B			T	Taping	
		S					
			1R0	1000	D	±0.5nH	
					H	±3%	
					J	±5%	

Applicable Series	Internal Code	Internal Code Description
MLG, MHQ, MLK, MLF	000	Standard Code for Multilayer Signal Inductor
MLF	A00	Standard for Multilayer Signal Inductor 4 mm Tape Pitch
MLP	0S1	Standard for Multilayer Power Inductor
MHQ, MLG, MLK, MLZ	D25	Automotive grade

Previously, the TDK ordering codes for some parts were used in a short format. TDK is now including these internal codes (full part number as part of the ordering code). This update has no impact on the product form fit and performance.

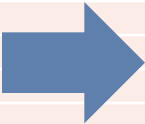
Original Part number (Short format without Internal codes)

Example : MLG0603S0N3C

New/Updated Part number format (with Internal codes)

Example : MLG0603S0N3CT000

Example parts before and after update

<u>Part Numbers with Short Format</u>		<u>Updated TDK Part Numbers</u>
MLG0603S0N3C		MLG0603S0N3CT000
MLG1005S0N3C		MLG1005S0N3CT000
MLG1608B1N0S		MLG1608B1N0ST000
MLG0402Q0N2C		MLG0402Q0N2CT000
MLG0603P0N7C		MLG0603P0N7CT000
MHQ1005P1N0S		MHQ1005P1N0ST000
MLK0603L1N0S		MLK0603L1N0ST000
MLK1005S1N0S		MLK1005S1N0ST000
MLF1608D47NM		MLF1608D47NMTA00
MLF2012D47NM		MLF2012D47NMT000
MLZ1005MR47W		MLZ1005MR47WT000
MLP1608H2R2B		MLP1608H2R2BT0S1
MLP2012HR47M		MLP2012HR47MT0S1
MLF1005VR10J		MLF1005VR10JT000
MLF1608DR10J		MLF1608DR10JT000
MLF2012DR10J		MLF2012DR10JT000
MLF1005VR10K		MLF1005VR10KT000
MLF1005GR47K		MLF1005GR47KT000