

CGJ SERIES | Extended Life MLCC



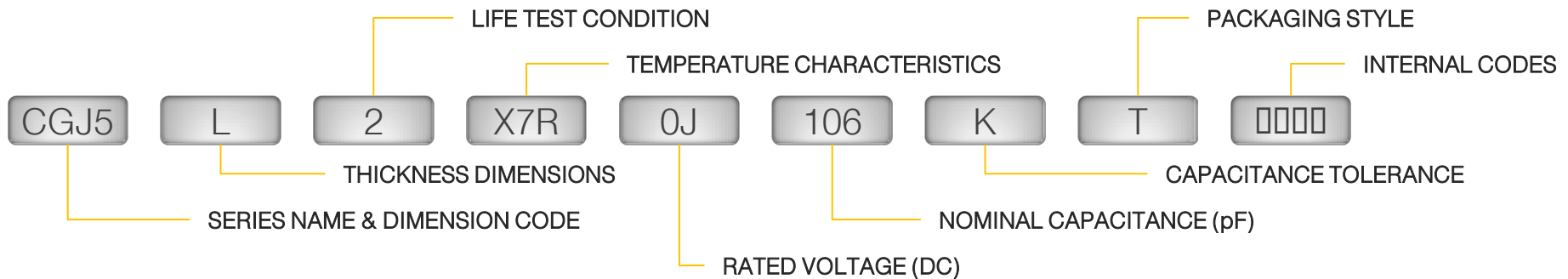
TDK's CGJ Series MLCC provides an extended life MLCC that meets electrical, mechanical, and environmental performance standards from multiple industry specifications. The enhanced reliability design allows its use in higher reliability applications in which maximum field life and the highest quality standards are required, as well as for applications demanding performance levels beyond typical commercial grade and automotive grade performance.

In addition to our highest quality MLCC's, the customer will also receive a Certificate of Analysis with each lot (which includes electrical characterization data and estimated product life) and anti-counterfeit packaging. Additionally, RFID (radio frequency identification) tags are available as an option. The Certificate of Analysis and Product Authentication are available on-line at TDK.com.

Case Code	L (mm)	W (mm)	T (mm)
CGJ2 / 0402	1.00	0.50	0.50
CGJ3 / 0603	1.60	0.80	0.80
CGJ4 / 0805	2.00	1.25	0.60
	2.00	1.25	1.25
CGJ5 / 1206	3.20	1.60	0.60
	3.20	1.60	0.85
	3.20	1.60	1.15
	3.20	1.60	1.60

L Body Length
 W Body Width
 T Body Height
 B Terminal Width

Part Number Description



Features:

- ❖ Extensive testing to ensure higher reliability and longer life
- ❖ Reliability tests based on MIL-STD requirements
- ❖ Guaranteed TC Bias and Hot IR performance
- ❖ Certificate of Compliance documentation is provided for each CGJ lot. Consumers of CGJ products can view each lot specific CoA on the TDK website
- ❖ UHF (Ultra High Frequency) RFID tag to allow integration with customer RFID programs such as inventory management
- ❖ Tamper proof seal to assist in the identification of authentic TDK CGJ products. The condition of the seal also indicates if the product has been tampered with in the supply chain
- ❖ CGJ customer priority backed by TDK factory support (3/3/7)

Applications:

- ❖ Smart Meter
- ❖ Smart Grid
- ❖ Industrial Application
- ❖ Telecom Base Station
- ❖ LED Lighting
- ❖ Solar Micro-inverters
- ❖ Charging station
- ❖ Military Communication Equipment
- ❖ Class 1 & 2 Medical Equipment
- ❖ Applications that require extended life performance

CGJ SERIES | Extended Life MLCC / C0G, X7R

Capacitance (pF)	Cap Code	CGJ2 C1005/CC0402			CGJ3 C1608/CC0603					CGJ4 C2012/CC0805					CGJ5 C3216/CC1206				
		1H (50V)	1E (25V)	1C (16V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)
100	101	COG																	
120	121																		
150	151																		
180	181																		
220	221																		
270	271				COG														
330	331																		
390	391																		
470	471																		
560	561																		
680	680									COG									
820	821																		
1,000	102	COG	X7R	X7R															
1,200	122																		
1,500	152		X7R	X7R															
1,800	182																		
2,200	222		X7R	X7R															
2,700	272																		
3,300	332																		
3,900	392																		
4,700	472		X7R	X7R															
5,600	562																		
6,800	682		X7R	X7R															
8,200	822																		
10,000	103			X7R		X7R	X7R												
15,000	153																		
22,000	223					X7R	X7R	X7R											
33,000	333									COG	X7R	X7R							
47,000	473																		
68,000	683																		
100,000	104			X7R		X7R	X7R												
150,000	154																		
220,000	224																		
330,000	334																		
470,000	474							X7R	X7R										
680,000	684																		
1,000,000	105							X7R	X7R										
1,500,000	155																		
2,200,000	225																		
3,300,000	335																X7R	X7R	
4,700,000	475																X7R	X7R	
6,800,000	685																	X7R	
10,000,000	106																	X7R	

COG X7R