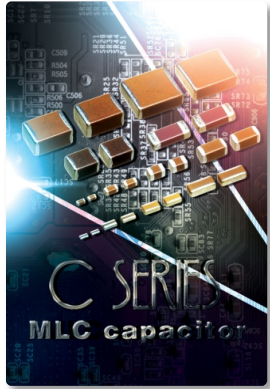


# C SERIES | General (Up to 50V)

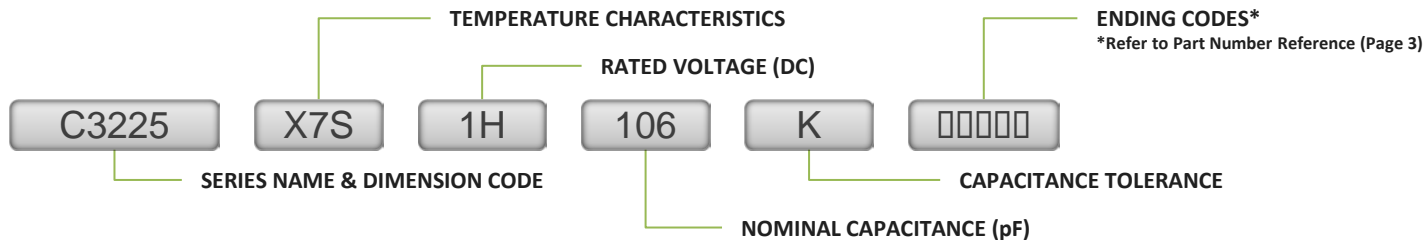


TDK C series offers high capacitance MLCC achieved through precision technologies by enabling the use of multiple thinner ceramic dielectric layers. TDK advanced manufacturing process offers MLCC with monolithic structure and superior mechanical strength as well as a high level of reliability. Composed of only ceramics and base metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes. Low stray capacitance ensures high conformity with nominal values, thereby simplifying the circuit design process. Owing to their low ESR and excellent frequency characteristics, these products are optimally suited for a variety of application.

Case Code	L (mm)	W (mm)	T (mm)
C0402/01005	0.40	0.20	0.20
C0603/0201	0.60	0.30	0.30
C1005/0402	1.00	0.50	0.50
C1608/0603	1.60	0.80	0.80
C2012/0805	2.00	1.25	1.25
C3216/1206	3.20	1.60	1.60
C3225/1210	3.20	2.50	2.50
C4532/1810	4.50	3.20	3.20
C5750/2220	5.70	5.00	2.80

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

## Part Number Description



## Features:

- ❖ TDK's proprietary internal electrode structure
- ❖ Wide capacitance range up to 100 $\mu$ F
- ❖ Available voltage rating of 4V to 50V
- ❖ Superior mechanical strength and reliability
- ❖ Low ESR characteristic
- ❖ Easy mounting due to no polarity

## Applications:

- ❖ General electronic equipment
- ❖ Mobile communication equipment
- ❖ Power supply circuit
- ❖ Office automation equipment
- ❖ TV/LED displays
- ❖ Servers/PCs/Notebooks/Tablets
- ❖ Test and measurement equipment
- ❖ Hybrid ICs, etc.
- ❖ Decoupling
- ❖ Smoothing
- ❖ Charge pump

### Basic Design Construction Multi-layer Capacitor

