■ PREVIOUS PART NUMBERING

CL	10	C	101	J	B	N	C
❶	❷	❸	❹	❺	❻	❼	❽

❶ SAMSUNG Multilayer Ceramic Capacitor
❷ Type(Size)
❸ Capacitance Temperature Characteristics
❹ Nominal Capacitance
❺ Capacitance Tolerance
❻ Rated Voltage
❼ Thickness Option
❽ Packaging Type

❸ CAPACITANCE TEMPERATURE CHARACTERISTICS

▶ **CLASS Ⅰ(Temperature Compensation)**

Symbol	EIA Code	Temperature Coefficient(PPM/℃)	※ Temperature Characteristics	Operation Temperature Range
C	C0G(CH)	0 ± 30	CΔ	-55 ~ +125℃
P	P2H	-150 ± 60	PΔ	
R	R2H	-220 ± 60	RΔ	
S	S2H	-330 ± 60	SΔ	
T	T2H	-470 ± 60	TΔ	
U	U2J	-750 ± 120	UΔ	
L	S2L	+350 ~ -1000	SL	

※ Temperature Characteristics

Temperature Characteristics	below 2.0pF	2.2 ~ 3.9pF	above 4.0pF	above 10pF
CΔ	C0G	C0G	C0G	C0G
PΔ	-	P2J	P2H	P2H
RΔ	-	R2J	R2H	R2H
SΔ	-	S2J	S2H	S2H
TΔ	-	T2J	T2H	T2H
UΔ	-	U2J	U2J	U2J

☞ K : ±250 PPM/℃
J : ±120 PPM/℃
H : ±60 PPM/℃
G : ±30 PPM/℃

▶ **CLASS Ⅱ(High Dielectric Constant)**

Symbol	EIA Code	Capacitance Change (ΔC : %)	Operation Temperature Range
A	X5R	± 15	-55 ~ +85℃
B	X7R	± 15	-55 ~ +125℃
F	Y5V	+22 ~ -82	-30 ~ +85℃