



**PRODUCT INFORMATION:**

- (1) Surge Multilayer Chip Ceramic Capacitor
- (2) Type (Size)
- (3) Capacitance Temperature Characteristics
- (4) Nominal Capacitance
- (5) Capacitance Tolerance
- (6) Rated Voltage
- (7) End Termination Type
- (8) Packaging Style
- (9) For Future Designation

CL	21	B	102	K	B	N	C	A
1	2	3	4	5	6	7	8	9

**SEGMENT 7: Thickness option**

CODE	DESCRIPTION OF THE CODE
N	Standard thickness (please refer to standard thickness table on page 3)
A	Thinner than standard thickness
B	Thicker than standard thickness
C	Standard Thickness High Q (Low DF) - New Product in 1997
D	Reserved for future use
E	Reserved for future use

**SEGMENT 8: Packaging Type**

CODE	PACKAGING	MARKING	CODE	PACKAGING	MARKING
B	Bulk (Vinyl Bag)	No	D	Paper Tape 13" reel	No
A	Bulk (Vinyl Bag)	Yes	I	Paper Tape 13" reel	Yes
P	Bulk Case	No	E	Embossed tape 7" reel	No
G	Bulk Case	Yes	J	Embossed tape 7" reel	Yes
C	Paper Tape 7" reel	No	F	Embossed tape 13" reel	No
H	Paper Tape 7" reel	Yes	K	Embossed tape 13" reel	Yes

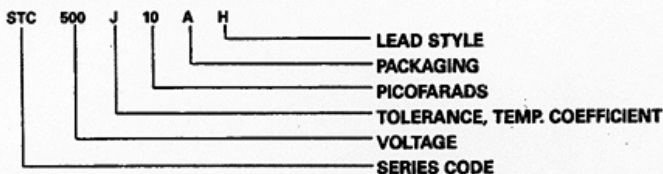
**SERIES IDENTIFICATION**

SHK	STC
Y5U	NPO
Y5S	SL
Y5T	N150
Y5E	N220
Y5P	N330
Z5F	N470
Z5U	N1500
Z5V	N2200
Z5P	N3300
	N80

**TOL./TC.CODES**

- (J) 5% NPO-CN220-S2L-S3N
- (D) 10% Y5P-Y5R
- (F) 10% Z5P
- (G) 20% Y5P-Y5F-Y5S
- (B) 20% Z5P-Z5F-Z5R-Z5V
- (Q) 20% Z5U - 20 + 80 Z5U
- (Z) + 80 - 20% Z5V
- (P) 10% Y5F-Z5F-Z5E-Y5E
- (W) 20% Y5U
- (Y) 20% Y5R-Y5S-Y5T
- (X) GMVZ5U (GMVY5F)
- (T) 10% Z5R
- (A) Z Y5S
- (C) Z Y5T
- (E) .25% CN80
- (H) ZYD
- (Z) .375 Lead Space
- (\*) N1500
- (L) AC voltage

**PART NUMBERING SYSTEM**



**PACKAGING**

- (A) TR .100
- (B) TR .200
- (C) TR .250
- (D) BULK
- (E) AMMO .100 LS
- (F) AMMO .200 LS
- (G) AMMO .250 LS

**LEAD STYLE**

- (H) Straight long lead
- (I) Straight cut lead
- (J) Cut inside kink
- (K) Cut outside kink
- (L) Long lead inside kink
- (M) Long lead outside kink
- (O) 20 gauge lead (standard is 22 gauge)
- (P) 1.5 inch lead length
- (Q) Epoxy Coating
- (R) Cut/Crimp
- (S) left hand feed