Ordering Code

JCM 101 J 30 C0H F 6 5 P AW L

Type:
- JCM
- JCH
- JCG
- JCF

Capacitance:
The third digit is multiplier
- 1:x104:x10000
- 2:x1000:x1
- 3:x10009x0.1

for example:
- 101 = $10x10^1$ = 100pF
- 102 = $10x10^2$ = 1000pF

Capacitance Tolerance:
- C = ± 0.25pF D = ±0.5pF J = ±5%
- K = ±10% M = ±20% S = +50%/-20%
- Z = +80%/-20% P = +100~0%

Size Code:

Code	Diameter (mm)	Code	Diameter (mm)
16	4.0	43	11.0
20	5.0	46	11.8
22	5.5	49	12.5
24	6.0	53	13.5
26	6.5	56	14.2
30	7.5	59	15.0
34	8.5	63	16.0
36	9.3	69	17.5
39	10.0	75	19.0

Temperature Characteristic:
- C0H, SL, Y5P, Y5U, Y5V, Z5U

Rated Voltage:
- J = 250VDC L = 500VDC N = 1kVDC
- P = 2kVDC R = 3kVDC U = 4kVDC
- V = 6kVDC Z = 8kVDC C = 10kVDC
- A = 12kVDC M = 15kVDC Q = X1-400VAC/Y2-250VAC
- G = X1-400VAC/Y1-250VAC

Lead Diameter:
for JCM, JCH, JCG series
- 5:0.5±0.05mm
- 6:0.6±0.06mm
- 7:0.65±0.05mm
- 8:0.8±0.08mm

for JCF series
- 6:0.55±0.05mm
- 7:0.65±0.05mm
- 8:0.8±0.05mm

Lead Spacing:
- 2:2.5mm
- 5:5.0mm
- 7:7.5mm
- 1:10mm

Lead Style:
- L, J, K, W, P

Lead Length & Packing:
- 50 = 5±1.0mm for Straight lead
- 5±0.5mm for Kink lead
- U4 = 24mm min. for Bulk and Kink lead
- U5 = 25mm min. for Bulk and Straight lead
- AW = H0 16mm for Ammo and Kink lead
- AY = H0 20mm for Ammo and Straight lead
- RW = H0 16mm for T/R and Kink lead
- RY = H0 20mm for T/R and Straight lead

Pb-Free

The Properties of Ceramic Capacitors

■ Class Ⅰ temperature compensation ceramic capacitors

Class Ⅰ Temperature Characteristic Chart

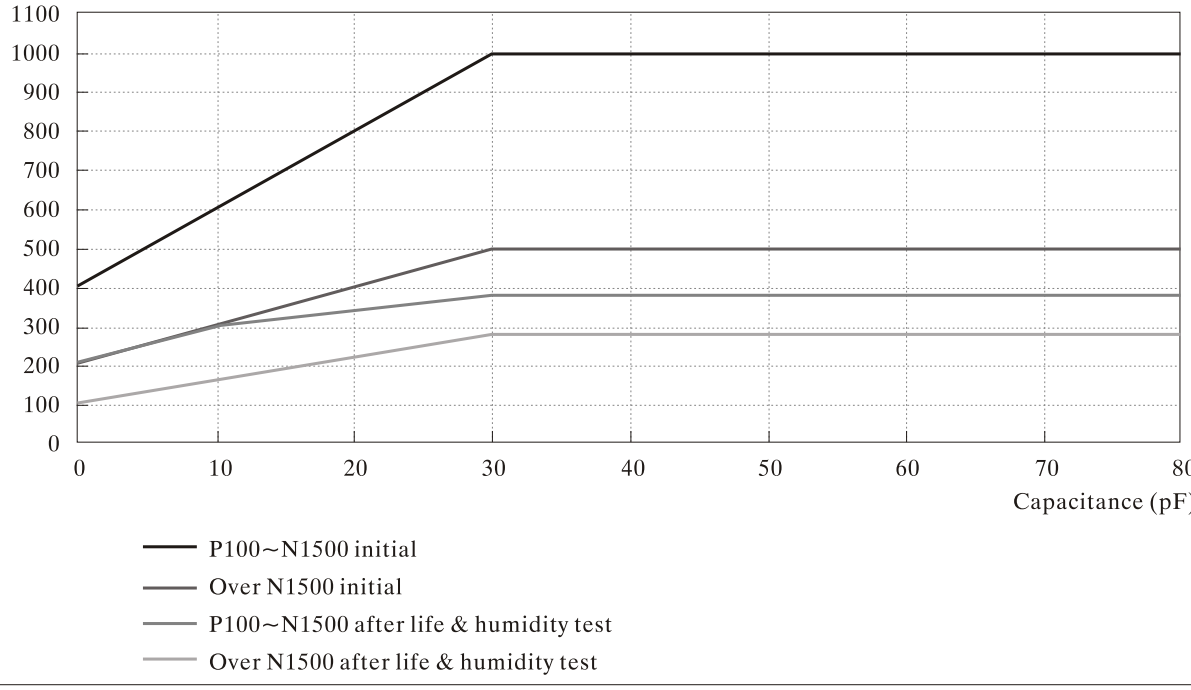
Code	Material Coefficient		Capacitance			
	Series	Coefficient ($10^{-6}/^{0}C$)	0.5~2pF	2.1~3.9pF	4.0~9.9pF	>10pF
			Temperature Coefficient Tolerance ($25^{0}C$~$85^{0}C$)			
C0	NP0	0	K (±250)	J (±120)	H(±60)	G(±30)
S1	N033	-33	K (±250)	J (±120)	H(±60)	G(±30)
U1	N075	-75	K (±250)	J (±120)	H(±60)	G(±30)
P2	N150	-150	K (±250)	J (±120)	H(±60)	G(±30)
R2	N220	-220	K (±250)	J (±120)	H(±60)	G(±30)
S2	N330	-330	K (±250)	J (±120)	H(±60)	H(±60)
T2	N470	-470	K (±250)	J (±120)	J(±120)	H(±60)
U2	N750	-750	K (±250)	J (±120)	J(±120)	J(±120)
P3	N1500	-1500	K (±250)	K (±250)	K(±250)	K(±250)
R3	N2200	-2200	L (±500)	L (±500)	L(±500)	L(±500)
S3	N3300	-3300	L (±500)	L (±500)	L(±500)	L(±500)
T3	N4700	-4700	M (±1000)	M (±1000)	M(±1000)	M(±1000)

SL : Any class Ⅰ material from P100 to N1000 may be used (no tolerance specified).

■ Class Ⅱ & Ⅲ ceramic capacitors

Codes consists of 3 digits, where the first 2digits indicate the lowest temperature and the highest temperature sparately, and the last digit indicates the maximum capacitance change over temperature range from $25^{0}C$.

CLASS Ⅰ Q LIMITS

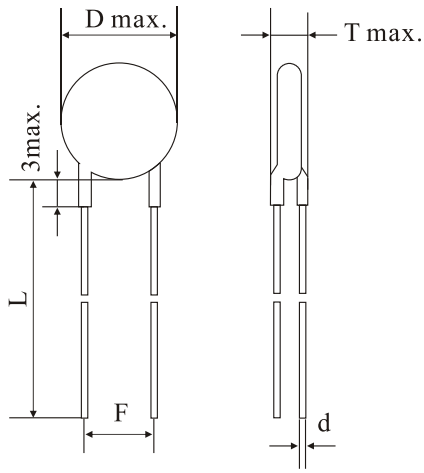


Class Ⅱ & Ⅲ Temperature Characteristic table

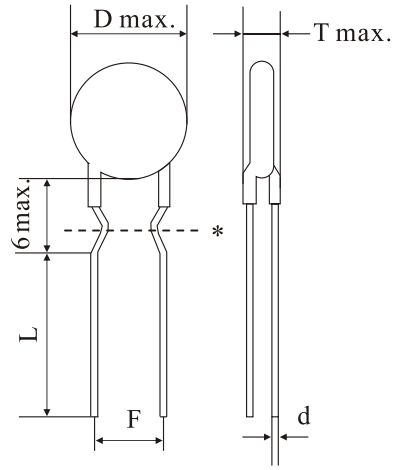
First digit is the lowest temperature	Second digit is the highest temperature	Last digit is MAX. Capacitance change over temperature range from 25°C	
X -55°C	4 +65°C	A	±1.0%
Y -30°C	5 +85°C	B	±1.5%
Z +10°C	6 +105°C	C	±2.2%
	7 +125°C	D	±3.3%
	8 +150°C	E	±4.7%
		F	±7.5%
		P	±10%
		R	±15%
		S	±22%
		T +22%	-33%
		U +22%	-56%
		V +22%	-82%

■ LEAD STYLE

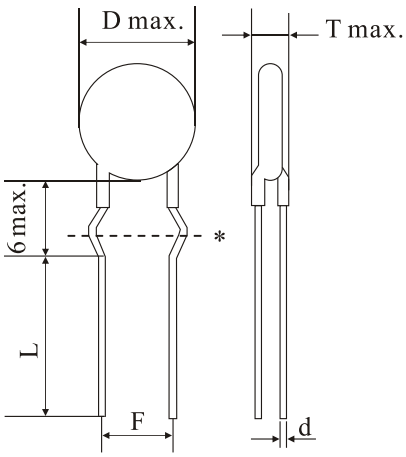
L



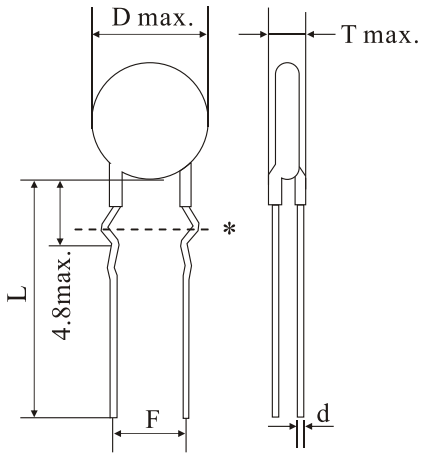
J



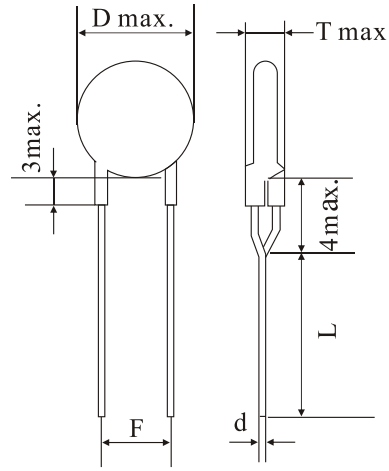
K



W



P



Note : *Coating drop does not exceed this line.