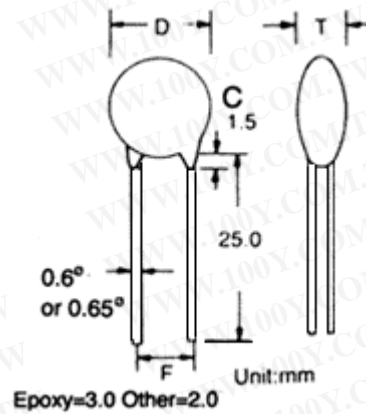


► **HI-VOLTAGE 1KV~3KV TYPE**

**FEATURES :**

- Capacitance has non linear temperature coefficient.
- Large capacitance in small size.
- Epoxy Coating for 2KV and 3KV parts.
- Wide range of general purpose applications.



**GENERAL SPECIFICATION**

Capacitance Range	100pF to 10000pF
Capacitance Tolerance	±10%, ±20%, +80%-20%
Operating Temperature Range	-25°C ~ 85°C (Y5P), 10°C ~ 85°C (Z5U, Z5V)
Rated Working Voltage Rating	2KV , 3KV
Dissipation Factor(tan δ)	Y5P,Z5U.....tan δ ≤ 2.5% Z5V.....tan δ ≤ 5.0%
Insulation Resistance (IR) @ 25°C	10000MΩ Minimum or 200 MΩμF whichever is smaller
Dielectric Strength	2 times the rated WVDC
Testing Parameters	1KHz ±20%, 1.0Vrms±0.2Vrms

**CAPACITANCE CHART :**

Temp. Char.	Part Diameter	Rated Voltage	Capacitance		Dim.(mm)Max.		
			Range (pF)	Tol.	D	T	F
B (Y5P) ±10%	5	M (1KV)	120~220,330~470	K,M	6.0	4.5	4.5
	6		100,270,560~1000		7.0		
	7		1500		8.0		
	8		1800~2200		9.0		
	10		3300		11.0		
	12		4700		13.0		
	6	M2 (2KV)	100~470,560~680		7.0		
	8		820~1000		9.5		
	9		1500		10.0		
	10		1800		11.0		
	12		2200~2700		13.0		
	14		4700		16.5		
	6	M3 (3KV)	100~330		7.5	6.0	7.5 or 10.0
	7		360~560		8.5		
	9		620~1000		10.5		
	11		1200~1800		12.5		
	13		2000~2200		14.5		
	15		2700~3300		16.5		
16	3600~3900		17.5				
18	4700		19.5				

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Temp. Char.	Part Diameter	Rated Voltage	Capacitance		Dim.(mm)Max.		
			Range (pF)	Tol.	D	T	F
E (Z5U) +22% -56%	6	M (1KV)	1000~2200	M,Z	7.0	4.5	5.0
	8		2700~4700		9.0		5.0 or
	10		5600~6800		11.0		10.0
	12		8200~10000		13.0		10.0
	14		22000		15.0		10.0
	6	M2 (2KV)	1000~1200		7.5	4.5	5.0 or
	7		1500~2200		8.5		10.0
	8		2700~3300		9.5		10.0
	9		3600~4700		10.5		10.0
	10		5000~6800		11.5		10.0
	14	8200~10000	16.5		10.0		
	6	M3 (3KV)	1000		7.5	6.0	7.5 or 10.0
	8		1200~2200		9.5		
	10		2700~3300		11.5		
	11		3600~3900		12.5		
	12		4700~5000		13.5		
	14		5600~6800		15.5		
	17		8200~10000		18.5		

Temp. Char.	Part Diameter	Rated Voltage	Capacitance		Dim.(mm)Max.		
			Range (pF)	Tol.	D	T	F
F (Z5V) +22% -82%	6	M (1KV)	1000~3300	Z	7.0	4.5	5.0
	8		3600~5600		9.0		5.0 or
	10		6800~10000		11.0		10.0
	12	M2 (2KV)	10000	Z	13.5	4.5	10.0

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## ▶ HOW TO ORDER — PART NUMBER EXPLANATION

To order, please specify Pan Overseas Part No. as the following example:



### 1 Temperature Characteristics Code :

	CH(NPO)	SL	B(Y5P)	E(Z5U)	F(Z5V)	X(X7R)	RY(Y5R)	FY(Y5V)
T.C.(ppm/°C) or Cap. Change %	0±60	+350 -1200PPM	±10%	+22% -56%	+22% -82%	±15%	±15%	+22% -82%

### 2 Rated Voltage :

	B	T	U	A	C	M	M2	M3	M5	M6
Voltage	16V	25V	50V	100V	500V	1000V	2000V	3000V	5000V	6000V

### 3 Part Diameter(mm) :

Code	Diameter	Code	Diameter	Code	Diameter	Code	Diameter	Code	Diameter
4	4mm	7	7mm	0	10mm	C	13mm	F	16mm
5	5mm	8	8mm	A	11mm	D	14mm		
6	6mm	9	9mm	B	12mm	E	15mm		

### 4 Capacitance Code :

Code	Capacitance(pF)	Code	Capacitance(pF)	Code	Capacitance(pF)
010	1	102	1000	104	100000
1R5	1.5	222	2200		
100	10	472	4700		
101	100	103	10000		

**5 Tolerance Code :**

Code	Tolerance	Code	Tolerance
C	±0.25pF	K	±10%
D	±0.50pF	M	±20%
J	±5%	Z	+80-20%

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**6 Lead Configuration Code-Bulk & Taping Package**

Bulk Lead Code	Taping Lead Code	Configuration and Dimension			
		Kinked/Straight	Lead Space(F)	Lead Length (L)	Remarks
2		Straight	5.0mm	5±1mm	
5		Straight	2.5mm	25 mm Min.	
6	G or L	Straight	5.0mm	25mm Min.	G=Ammo, L=Reel
7		Straight	6.4mm	25mm Min.	
8		Inside Kinked	5.0mm	5±1mm	
9	H or R	Inside Kinked	5.0mm	25 mm Min.	H=Ammo, R=Reel
A		Straight	10.0mm	5±1mm	
B		Inside Kinked	10.0mm	5±1mm	
C		Straight	10.0mm	25 mm Min.	

Bulk Lead Code	Taping Lead Code	Configuration and Dimension			
		Kinked/Straight	Lead Space(F)	Lead Length(L)	Remarks
1		Straight	2.5mm	5.0±1mm	
3		Straight	2.5mm	7.0±1mm	
4		Straight	5.0mm	7.0±1mm	
P2		Straight	2.5mm	18±1mm	
P3		Straight	2.5mm	15±1mm	
P8		Straight	5.0mm	10±1 mm	
P14		Straight	6.4mm	5±1mm	
P16		Straight	7.5mm	5±1mm	
W4		Straight	7.5mm	25 mm Min.	

**7 Epoxy coating material is used on 2KV ~ 6KV parts only.**