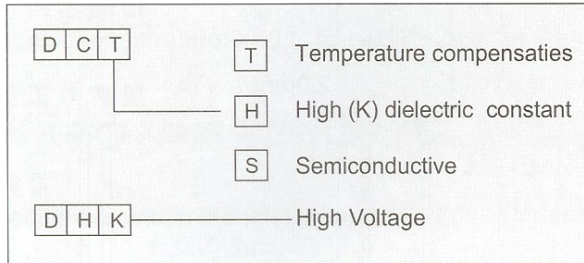


PART NUMBER CODE

Type



Temperature characteristic 1

- Temperature compensating

Code	NPO	SL
Temp coeff PPM/°C	0±60	+350 ~ -1000

- High Dielectric constant

Code	Y5P(B)	Z5U(E)	Z5V(E)
Temp Range	-30°C ~ +85°C	+10°C ~ +85°C	+10°C ~ +85°C
Cap Change	±10%	+22% -56%	+22% -82%

- Semiconductive

Code	Y5P(B)	Y5U(E)	Y5V(EY)
Temp Range	-30°C to 85°C		
Cap Change	±10%	+22% -55%	+22% -80%

Capacitance Value 2

Code	Value (pF μF)
OR5	0.5pF
010	1pF
100	10pF
101	100pF
222	2200pF
473	0.047μF
104	0.1μF

Capacitance Tolerance 3

Code	Cap.Tol.
C	±0.25 pF
D	±0.5 pF
J	±5%
K	±10%
M	±20%
Z	± $\frac{80}{20}$ %

Rated voltage 4

Code	Voltage	Code	Voltage
1C	16V	1K	1KVDC
1E	25V	2K	2KVDC
1H	50V	3K	3KVDC
2A	100V	6K	6KVDC
2E	250V		
2H	500V		

Packing 5

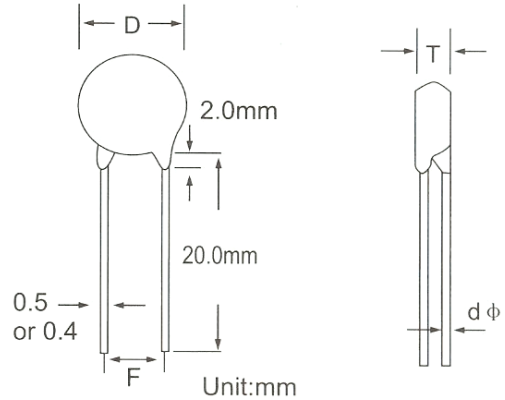
Code	Description
T <input checked="" type="checkbox"/>	Tape & Reel
T <input type="checkbox"/>	Tape & Ammo
B <input type="checkbox"/>	Bulk Package
B <input type="checkbox"/>	Please see page 10 for Lead Configuration

規格

SPECIFICATIONS

- 使用温度範圍  
Operating temperature: -30°C to + 85°C
- 額定工作電壓  
Rated working voltage: 50 VDC, 500 VDC
- 電容量  
Capacitance: Within the tolerance at 1M HZ.  
 $1 \pm 0.2 V_{rms}, 25^{\circ}C$
- 測試電壓  
Testing voltage: 3 times of the rated voltage
- 散逸因素  
Quality factor (Q): At 1MHZ,  $1 \pm 0.2V_{rms}, 25^{\circ}C$   

$C \geq 30pF$	$Q \geq 1000$
$C \leq 30pF$	$Q \leq 400+20C$
- 絕緣電阻  
Insulation resistance(I.R): at 25°C, 10000MΩ or 200MΩ μf whichever is Less.



TEMP. CHAR/CAP VALUE/RATED VOLTAGE

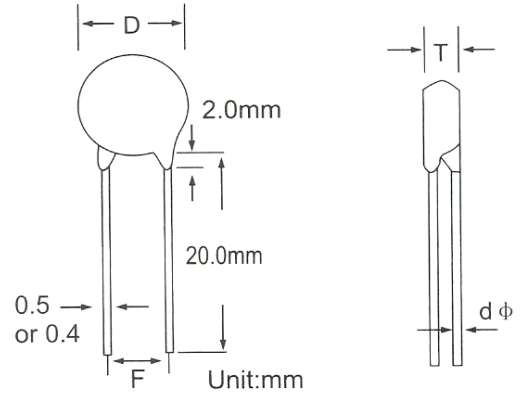
Type	Temp Char	Rated Volt (VDC)	Capacitance		Dimensions (mm)	
			Range (pF)	TOL	D(max)	T(max)
DCT 05	NPO	50V	0.5 · 50	C.D.	5	3.0
DCT 06			56 · 82	J.K.	6	
DCT 07			100 · 120		7	
DCT 08			120 · 150		8	
DCT 09			180 · 220		9	
DCT 106		500V	0.5 · 9	J.K.	6	4.0
DCT 107			10 · 47	J.K.	7	
DCT 108			·		8	
DCT 110			·		10	
DCT 111			·		11	
DCT 05	SL	50V	24 · 180	J.K.	5	3.0
DCT 06			200 · 220		6	
DCT 07			250 · 330		7	
DCT 08			350 · 470		8	
DCT 09			500 · 680		9	
DCT 10			750 · 820		10	
DCT 106		500V	30 · 72		6	4.0
DCT 107			73 · 140		7	
DCT 109			150 · 200		9	
DCT 110			210 · 290		10	
DCT 111			300 · 390		11	



### 規格

#### SPECIFICATIONS

- 使用溫度範圍  
Operating temperature: +10°C to + 85°C, -30°C to + 85°C
- 額定工作電壓  
Rated working voltage: 50 VDC, 500 VDC
- 電容量  
Capacitance: Within the tolerance at 1KHZ.  
1 ± 0.2 Vrms, 25°C
- 測試電壓  
Testing voltage: 3 times of the rated voltage
- 散逸因素  
Dissipation factor (tan δ): At 1KHZ, 1 ± 0.2Vrms, 25°C  
tan δ ≤ 2.5% (Y5P, Z5U)  
tan δ ≤ 5% (Z5V)
- 絕緣電阻  
Insulation resistance(I.R): at 25°C, 10000MΩ or 200MΩ · μF whichever is Less.



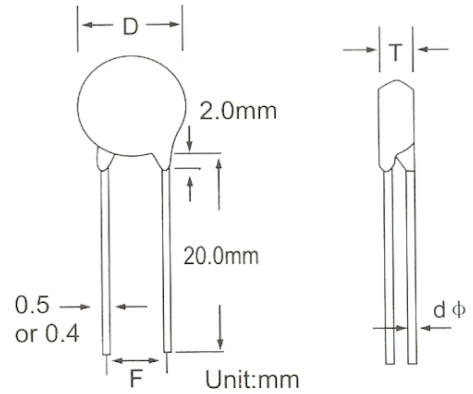
#### TEMP. CHAR/CAP VALUE/RATED VOLTAGE

Type	Temp Char	Rated (VDC)	Capacitance		Dimensions (mm)	
			Range (pF)	TOL	D(max)	T(max)
DCH 05	Y5P (B)	50V	100 · 2000	K.M.	5	3.0
DCH 06			2200 · 2700		6	
DCH 07			3300 · 4700		7	
DCH 08			5600		8	
DCH 10			6800 · 8200		10	
DCH 11			10000		11	
DCH 105			500V		200 · 500	
DCH 106	680 · 1000	6				
DCH 108	1500 · 2200	8				
DCH 109	2700 · 3300	9				
DCH 111	3600 · 4700	11				
DCH 05	Z5U (E)	50V	1000 · 2200	M.Z.	5	3.0
DCH 06			2500 · 5600		6	
DCH 08			6800 · 10000		8	
DCH 105		500V	1000 · 2000		5	4.0
DCH 106			2200 · 3300		6	
DCH 108			3900 · 4700		8	
DCH 109			5600 · 6800		9	
DCH 110	8200 · 10000	10				
DCH 05	Z5V (E)	50V	3000 · 10000	Z	5	3.0
DCH 06			20000 · 22000		6	
DCH 109			10000		9	
DCH 115		500V	22000		15	4.0
DCH 116			50000		16	

### 規格

#### SPECIFICATIONS

- 使用溫度範圍  
Operating temperature: -30°C to + 85°C
- 額定工作電壓  
Rated working voltage: 16V, 25V, 50V
- 測試電壓  
Testing voltage: 2 times of the rated voltage
- 散逸因素  
Dissipation factor ( $\tan \delta$ ): At 1KHZ,  $1 \pm 0.2V_{rms}$ , 25°C  
 $\tan \delta \leq 7\%$  (Y5P, Y5V) 16V  
 $\tan \delta \leq 5\%$  (Y5P, Y5U, Y5V) 25V, 50V
- 絕緣電阻  
Insulation resistance(I.R): at 25°C  
 · 16V 100MΩ or 10MΩ · μF whichever is Less.  
 · 25V/50V 1000MΩ or 20MΩ · μf whichever is Less.



#### TEMP. CHAR/CAP VALUE/RATED VOLTAGE

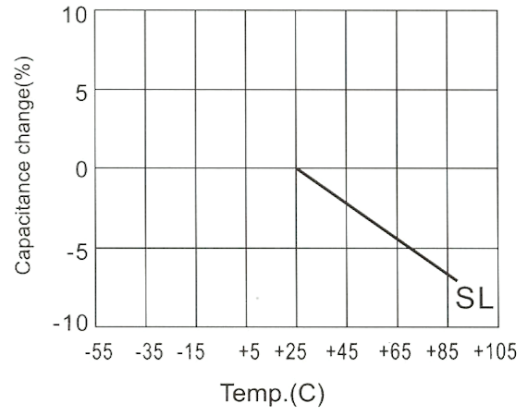
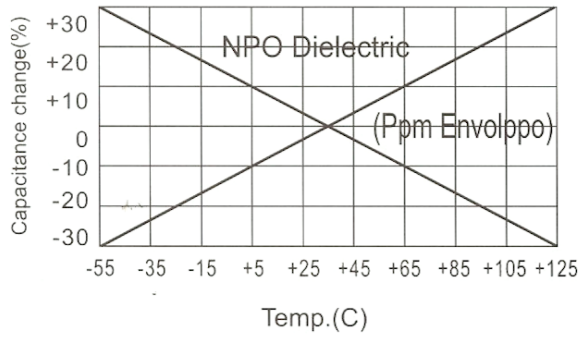
Type	Temp Char	Rated CVDC	Capacitance		Dimensions (mm)						
			Range (μF)	TOL	D(max)	T(max)					
DCS 005	Y5P	16V	0.01	K	5	3.0					
DCS 006			0.015 · 0.027		6						
DCS 007			0.033		7						
DCS 008			0.047 · 0.056		8						
DCS 009			0.068		9						
DCS 010					10						
DCS 011		25V	0.1				11				
DCS 012							12				
DCS 006					Y5U		16V	0.01	M	3.0	
DCS 005								0.015 · 0.022			5
DCS 006								0.027 · 0.056			6
DCS 0062								0.068 · 0.1			6.2
DCS 007		7									
DCS 008		8									
DCS 005	Y5V	16V	0.01 · 0.047	Z		3.0					
DCS 006		25V	0.056 · 0.068				5				
DCS 006		50V					6				
DCS 006		16V	0.1				6				
DCS 0062		25V					6.2				
DCS 007		50V					7				
DCS 008		16V			8						
DCS 009		25V			0.2 · 0.22		9				
DCS 010		50V					10				



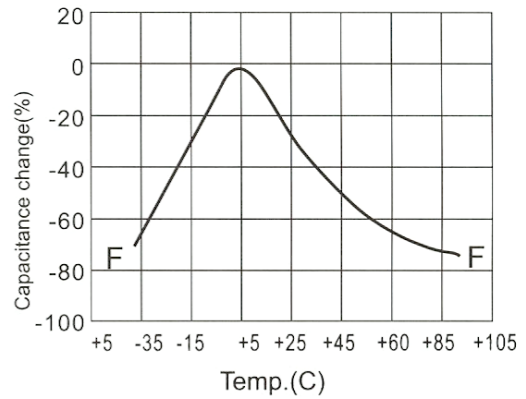
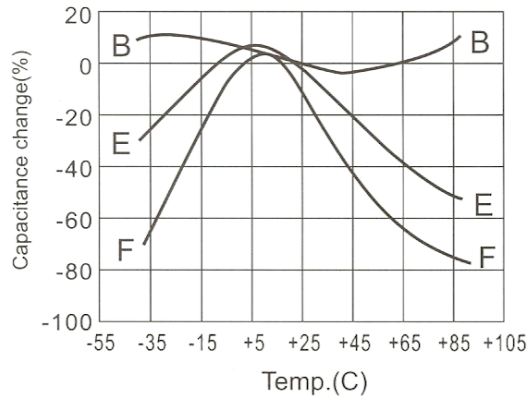
溫度特性

TEMPERATURE CHARACTERISTICS

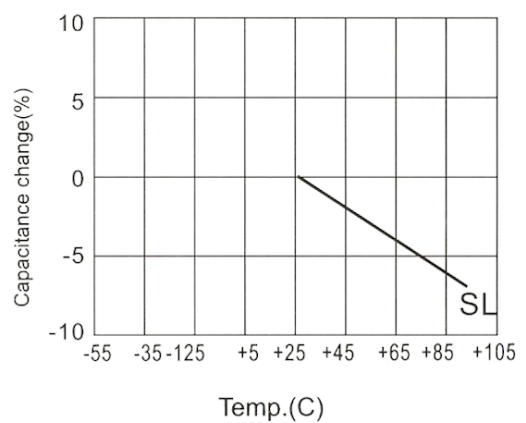
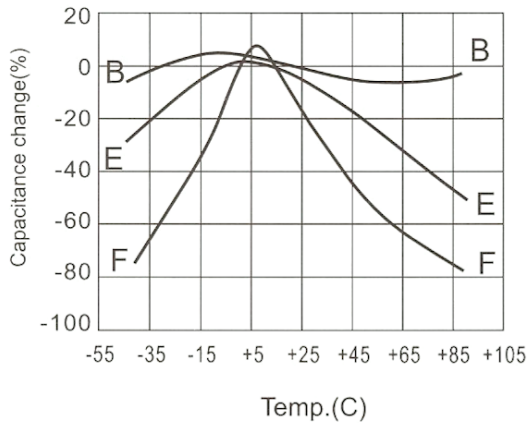
■ DCT Series



■ DCH DCS CY Series

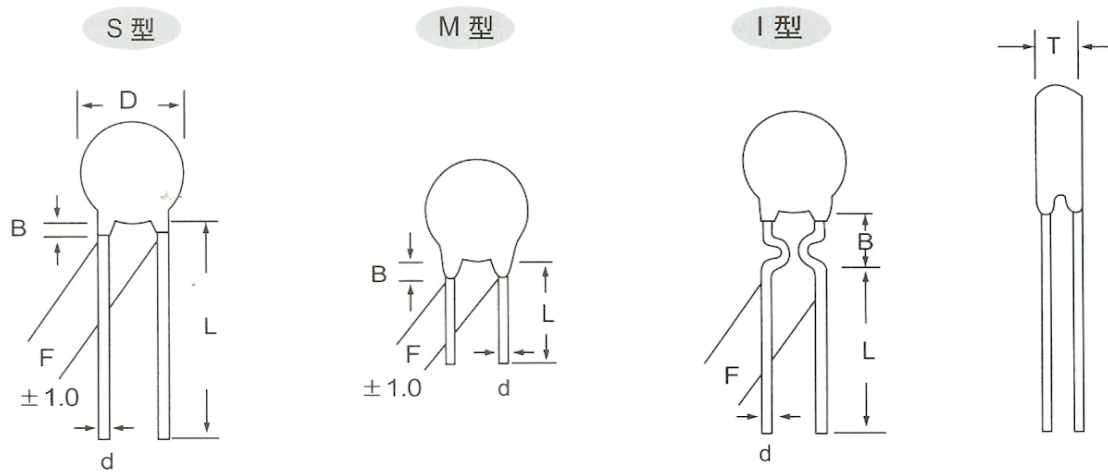


■ DHK Series



導線形態  
LEAD CONFIGURATION

■ DCT DCH DCS Series



MODEL	W.V.	T(mm)	d(mm)	L(mm)	F(mm)	B(mm)
S	12 ~ 25 50 ~ 100 500 1K UP	3max	0.5 ~ 0.8	25	2.5 ± 1.0 5.0 ± 1.0 6.35 ± 0.8 10.0 ± 0.8	2.0max
M	12 ~ 25 50 ~ 100 500 1K UP	3max	0.5 ~ 0.8	4.7 ~ 14	2.5 ± 1.0 5.0 ± 1.0 6.35 ± 0.8 10.0 ± 0.8	2.0max
I	12 ~ 25 50 ~ 100 500 1K UP	3max	0.5 ~ 0.8	4.7 ~ 14	2.5 ± 1.0 5.0 ± 1.0 6.35 ± 0.8 10.0 ± 0.8	3.0max