

• 产品规格表示方式 Product Part Number Expression

编码 Coding	CT7	X	7	Y5U	0	D	222	M	T	E	C	02
段数 Segment number	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
											厂商内部代码 Manufacturer's internal code	



段数 Segment number	项目 Projects	编码 Coding
(1)	产品类型 Product Type	NO: 1~4
(2)	额定电压及代码 Rated Voltage and the code	NO: 5
(3)	直径代码 Diameter Code	NO: 6
(4)	温度特性 Temperature Characteristics (T.C.)	NO: 7~9
(5)	引线形式 Lead style	NO: 10
(6)	引线间距 Lead spacing	NO: 11
(7)	标称容量 (额定容量) Rated capacitance	NO: 12~14
(8)	允许偏差 Capacitance Tolerance	NO: 15
(9)	包装形式 Packing style	NO: 16
(10)	环氧树脂包封料颜色 Epoxy color	NO: 17
(11)	内部电极 Internal electrode	NO: 18
(12)	尺寸代码 Size Code	NO: 19~20

1 产品类型 Product Type (NO: 1~4)

代码	产品类型
CT7-	交流 (安规) 系列电容器 Alternating current disk ceramic capacitor
CT81	中高压高介电常数系列电容器 High voltage high dielectric constant disk ceramic capacitor
CC81	中高压高压温度补偿系列电容器 High voltage temperature compensation capacitor

2 额定电压及代码 Rated Voltage and the code (NO: 5)

代码 code	N	M	P	Q	R	S	U	W	T	Z	A	X	Y	B	C
电压 Voltage	1KV DC	2KV DC	3KV DC	4KV DC	5KV DC	6KV DC	8KV DC	10KV DC	12KV DC	15KV DC	20KV DC	250V AC	400V AC	300V AC	500V AC

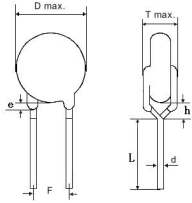
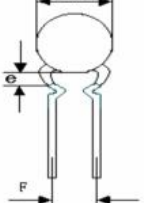
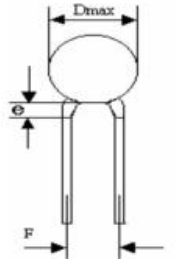
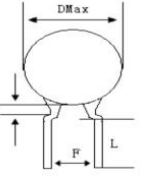
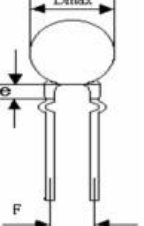
3 直径代码 Diameter Code (NO: 6)

代码 code	4	5	6	7	8	9	10	11
成品尺寸 Finished dimension	7.0max	8.0max	9.0max	10.0max	11.0max	12.0max	13.0max	14.0max
代码 code	12	13	14	15	附注说明 Notes			
成品尺寸 Finished dimension	15.0max	16.0max	17.0max	18.0max	供参考, 具体规格尺寸见《产品规格栏》 For reference, see product specification column for specific specifications			

4 温度特性 T.C. Temperature Characteristics (NO: 7~9)

材质代码 Material Code		温度特性 Temperature Characteristics (温度范围 Temperature range)	容量允许偏差 Capacity tolerance	工作温度范围 Operating temperature range
Used code	EIA code			
NP0	C0H	-25°C~+85°C	0±60 PPM/°C	-25°C~+125°C
N750	U2J		750±120 PPM/°C	
SL	S2L		+140~-1000 PPM/°C	
DL	S3L		+500~-3300 PPM/°C	
T3M	T3M		4700±1200 PPM/°C	
Y5P (B/BN)	Y5P (B/BN)		±10%	
Y5R	Y5R		±15%	
Y5U	Y5U		+22 / -56%	
Y5V	Y5V		+22 / -82%	

5 引线形式 Lead style (NO: 10)

代码 code	脚型 Foot type	图示 Pictorial Representation	代码 code	脚型 Foot type	图示 Pictorial Representation
0	前后打翘 Vertical		6	内弯 Inside kink	
1	直脚 (长脚) Straight (Long legs)		7	直脚-改善型 Straight (Improved type)	
3	直脚 (短脚) Straight (Short feet)		9	单外弯 Outside kink	
4	直脚 (编带) Straight (Taping)				

6 引线间距 Lead spacing (NO: 11)

代码 code	B	D	E	F	G
脚距 (mm) Lead spacing (mm)	5.0±0.5	7.5±0.5	10.0±0.5	12.5±1.0	15.0±1.0

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7 标称容量 (额定容量) Rated capacitance (NO: 12~14)

代码 Code	容量 capacitance	注: 标称容量以 pF 为单位, 用 3 位数字表示。前两位数字表示有效数字, 第三位为 0 的个数; R 表示小数点。 Note: The unit of standard capacitance if consisting of 3 digits, 1st two digits stand for effective value of the Standard capacitance; third digit indicates the number of zeros; R indicates decimal.
4R7	4.7pF	
330	33pF	
103	1000pF	

8 允许偏差 Capacitance Tolerance (NO: 15)

代码 code	K	M	S	Z
容差 Tolerance	±10%	±20%	+50/-20%	+80%/-20%

9 包装形式 Packing style (NO: 16)

代码 code	S	T
包装形式 Packing style	散包装 Bulking	编带包装 Taping

10 环氧树脂封装料颜色 Epoxy color (NO: 17)

代码 code	E	F
环氧树脂 Epoxy	黄色 Yellow	蓝色 Blue

11 内部电极 Internal electrode (NO: 18)

代码 code	A	C	X	附注说明 Notes: 仅内部使用, 不做对外承认。 For internal use only, without external recognition
电极 Electrode	银 Ag	铜 Cu	铜 Cu (小型化)	

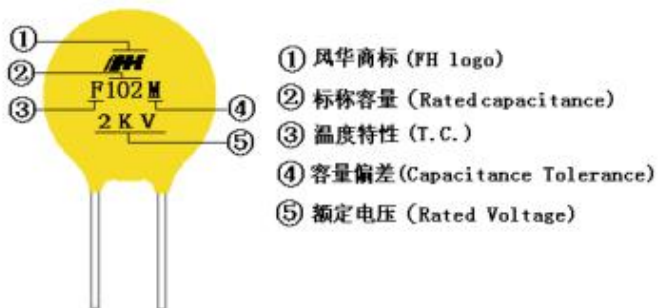
12 尺寸代码 Size Code (NO: 19~20)

适用编带产品 (步距尺寸单位: mm) Taping products (step:mm)											
代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions				
01	12.7-盒装 (Boxed)	03	25.4-盒装 (Boxed)	05	12.7-卷装 (Roll Up)	07	25.4-卷装 (Roll Up)				
02	15.0-盒装 (Boxed)	04	30.0-盒装 (Boxed)	06	15.0-卷装 (Roll Up)	08	30.0-卷装 (Roll Up)				
适用散装产品 (引脚尺寸单位: mm)											
代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions
A0	2.0	B0	3.0	C0	4.0	D0	5.0	E0	6.0	F0	7.0
A1	2.1	B1	3.1	C1	4.1	D1	5.1	E1	6.1	F1	7.1
A2	2.2	B2	3.2	C2	4.2	D2	5.2	E2	6.2	F2	7.2
A3	2.3	B3	3.3	C3	4.3	D3	5.3	E3	6.3	F3	7.3
A4	2.4	B4	3.4	C4	4.4	D4	5.4	E4	6.4	F4	7.4
A5	2.5	B5	3.5	C5	4.5	D5	5.5	E5	6.5	F5	7.5
A6	2.6	B6	3.6	C6	4.6	D6	5.6	E6	6.6	F6	7.6
A7	2.7	B7	3.7	C7	4.7	D7	5.7	E7	6.7	F7	7.7
A8	2.8	B8	3.8	C8	4.8	D8	5.8	E8	6.8	F8	7.8
A9	2.9	B9	3.9	C9	4.9	D9	5.9	E9	6.9	F9	7.9
适用散装产品 (引脚尺寸单位: mm)											
代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions	代码 code	尺寸 Dimensions			代码 code	尺寸 Dimensions
G0	8.0	H0	9.0	I0	10.0	J0	11.0			T0	20.0
.	无	无 None			无	无 None
G9	8.9	H9	9.9	I0	10.9						

附注: 剪脚品, 对应代码表示引脚尺寸的中心值; 长引脚品统一使用“T0”代表最小的尺寸为 20mm
Notes: Cut Pin products, the corresponding code represents the central value of pin size; long pin products uniform use "t 0" represents the minimum size of 20 mm

• 產品結構及外形 Product Structure and Overall Dimension

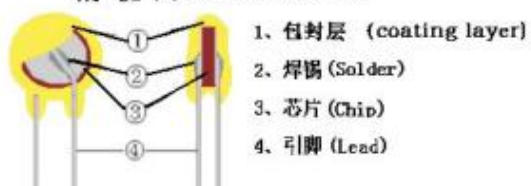
直流产品正视图
DC product front view



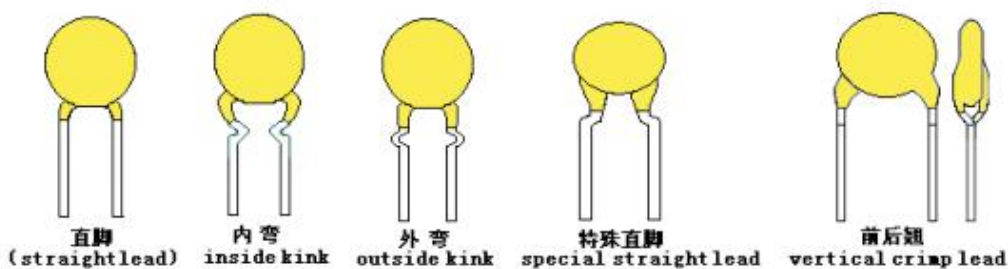
交流产品正视图
AC product front view



剖视图 (sectional view)



● 引线形状 Lead shape



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•包装尺寸及数量 packing size and quantity

项目 Item	包装箱尺寸对应表 Packing size corresponding to the table	
	外箱 out box	内箱 inside box
散装 bulk	46×34.5×28 (cm)	33×22×12.5 (cm)
	46×31.5×23.5 (cm)	30×21.5×10.5 (cm)
	44.5×25.5×22 (cm)	24×21.5×9.5 (cm)
	32.5×27×23.5 (cm)	24×21.5×9.5 (cm)
编带 taping	52.5×28×36 (cm)	34.5×26.5×4.8 (cm)
	52.5×28×34.5 (cm)	33.0×26.5×4.8 (cm)

产品类型 Product Type	额定电压 Voltage	散装 Bulk (pcs)					
		间距 Lead spacing F=5.0 (mm)		间距 Lead spacing F=7.5 (mm)		间距 Lead spacing F=10/12.5 (mm)	
直径 Diameter	—	Φ≤9mm	10mm≧Φ	Φ≤9mm	10mm≧Φ	Φ≤9mm	10mm≧Φ
CT7	Y1/Y2	—		0.5Kpcs		0.5Kpcs	
CT81	1~6KVDC	1.0Kpcs	0.5Kpcs	1.0Kpcs	0.5Kpcs	1.0Kpcs	0.5Kpcs
CC81	8~20KVDC	—		—		0.5Kpcs	

产品类型 Product Type	额定电压 Voltage	编带 Taping	
		最小包装产品数量 Minimum number of packaged products	整箱包装数量 Quantity packed in whole case
CT7	Y1/Y2	1.0Kpcs	10.0Kpcs

•电路应用 circuit application

产品类型 Product Type	电路应用 Circuit application
CC81	<p>用于要求损耗值小、容量稳定性要求较高的电路中：谐振回路、高频旁路、温度补偿、控制电路的时间常数元件、稳定性要求高的耦合元件。</p> <p>Loss value for small and high capacitance stability circuit: the resonant circuit, high-frequency bypass, temperature compensation and control time constant of the circuit components, high stability requirements of coupling components.</p>
CT81	<p>用于对损耗值和容量稳定性要求不高的电路中，如低频旁路、耦合、滤波、退耦等，时间常数元件。</p> <p>Used for loss value and volume stability of circuits, such as low frequency, by-pass, coupling, filtering, decoupling, etc., the time constant of components.</p>
CT7	<p>交流瓷介电容器适于在电子设备中作为跨电源线连接、天线耦合和旁路等</p> <p>In ac ceramic capacitor is suitable for electronic equipment as the power cord connection and antenna coupling and bypass, etc</p>

• 參數要求及測試條件 Parameter requirements and test conditions

序號 Number	項目 Item	性能要求 Performance requirement	檢測方法 Test method			
1	靜電容量 Capacitance	在規定允許公差之內 Within the specified Tolerance	測試頻率和測試電壓 Measuring frequency & Measuring voltage:			
2	損耗角正切值 Loss angle Tangent value Tg δ (散逸因數 Dissipation Factor)	CC81: tgS <0.0015	1、CC81: 1±0.1MHz, 1.0 Vrms			
		CT81、CT7: Y5R: ≤0.005 Y5P: ≤0.025 Y5U: ≤0.030 Y5V: ≤0.035	2、CT81、CT7: 1±0.1kHz, 1.0Vrms 測試溫度 Measuring temperature: 25±2°C			
3	絕緣電阻 (端子間.) Insulation resistance (I.R) Between lead wire	≥10000MΩ	測試電壓 Test voltage: 500VDC 施加時間 Application time: 60±5S			
4	端子間耐電壓 Resistance between terminal voltage	無擊穿 No breakdown	產品類型 Product Type		測試電壓 Test Voltage	充放電流 Charge/ discharge current : <50mA
			CC81	UR:1-4KVDC	1.5UR+500V	
				CT81	UR:5-10KVDC	
					UR>10KVDC	
CT7	Y1 -400VAC Y1 -500VAC Y2-250VAC Y2-300VAC	10UR				

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Ceramic capacitor

• 交流产品的安全认证 Communication products safety certification

安规认证清单表 Safety Certification List				
产品系列 Series	CT7 安规（交流）系列产品 CT7 Alternating current disk ceramic capacitor			
证书名称 Certificate name	认证标志 Certification Mark	认证标准 Certification Standard	Y1-Series	Y2-Series
中国 CQC		GB/T6346.14-2015	CQC03001007930	CQC03001007929
德国 VDE		IEC 60384-14 (ed.4)	40013874	40013869
美国 UL		IEC 60384-14 (ed.4)	E219015	
CB 证书	—	EN 60384-14:2013 /AMD1:2016	DE1-62035	DE1-62042
瑞士 SEV		IEC 60384-14 (ed.4) : 2013	19.0469	19.0470
瑞典 SEMKO		EN 60384-14:2013	1911979	1911982
挪威 NEMKO		IEC 60384-14: 2013	P19223835	P19223836
丹麦 DEMKO		EN 60384-14:2013	D-06110-M1	D-06111-M1
芬兰 FIMKO		EN 60384-14:2013 +AMD1:2016	FI/40255	FI/40256
韩国 Korea		KC 60384-1 (2015-09) KC 60384-14 (2015-09)	SU03101-17002	SU03101-17001

•容量範圍 Capacitance Range:

产品类型 Product Type	温度特性 T.C.	额定电压 Rated voltage(V)	标称容量 Rated capacitance (pF)	允许偏差 Capacitance Tolerance (%)	芯片直径 Chip diameter (mm)	成品直径 Finished diameter(mm)	成品厚度 Finished thickness(mm)		
CC81	N750	1KV(N)	10~30	±10%(K)	3.5~5.5	6.5 Max	3.5Max		
	SL		33~56		3.5~5.5				
			68~101		5.0~6.5	7.5Max			
	SL	2KV(M)	22~56	±10%(K)	3.5~5.5	6.5 Max	4.0Max		
			68~101		5.0~6.5	7.5 Max			
	N750	3KV(P)	22	±10%(K)	3.5~5.5	6.5 Max	5.0Max		
	SL		27~47		3.5~5.5				
			68		5.5~6.5	7.5 Max			
			82~101		7.0~8.5	9.5 Max			
	CT81	Y5P	1KV(N)	151~681	±10%(K)	3.5~5.5	6.5 Max	3.5Max	
821~102				5.0~6.5		7.5Max			
152~222				6.0~8.4		9.5Max			
182~222				6.5~8.5		9.5Max			
272~392				7.5~9.5		10.5Max			
472				11.3~12.5		14.0Max	4.0Max		
2KV(M)			101~391	±10%(K)	3.5~5.5	6.5 Max	4.0Max		
			471~681		5.0~6.5	7.5Max			
			102~132		6.0~7.5	8.5Max			
			152~172		7.5~8.5	9.5Max			
			182~222		8.5~10.5	11.5Max			
			352~272		9.5~11.5	13.0Max			
			332~392		11.5~12.5	14.0Max	4.5Max		
3KV(P)			101~471	±10%(K)	3.5~5.5	7.5 Max	5.0Max		
			471~821		5.5~7.5	9.5Max			
			901~172		7.0~9.5	11.5Max			
			182~302		9.5~12.5	14.5Max			
附注 Notes			若需 4KV~15KV 的, 请提供贵司的参数要求, 我会参照要求提供对应的尺寸, 谢谢! If need 4KV ~ 15KV, please provide your company's parameter request, we will provide the corresponding size according to the request, thanks!						

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Ceramic capacitor

•容量範圍 Capacitance Range:

产品类型 Product Type	温度特性 T.C.	额定电压 Rated voltage(V)	标称容量 Rated capacitance(pF)	允许偏差 Capacitance Tolerance(%)	芯片直径 Chip diameter (mm)	成品直径 Finished diameter(mm)	成品厚度 Finished thickness(mm)		
CT81	Y5U	1KV(N)	102~362	±20%(M)	3.5~5.5	6.5 Max	3.5Max		
			392~562		5.6~7.4	8.5Max			
			692~872	+80/-20%(Z)	7.5~8.4	9.5Max			
			103		8.5~9.4	10.5Max			
		2KV(M)	821~202	±20%(M)	3.5~5.5	6.5 Max	4.0Max		
			202~272		5.5~6.4	7.5Max			
			332~392	+80/-20%(Z)	6.5~7.4	8.5Max			
			472、502		7.5~8.4	9.5Max			
			602~682	8.5~9.4	10.5Max				
			702~922	9.5~11.5	13.5Max				
		103	1.5~12.5	14.5Max	4.5Max				
		3KV(P)	621~142	±20%(M)	3.5~5.5	7.0 Max	5.0Max		
			142~182		5.5~6.4	8.0Max			
			202~272	+80/-20%(Z)	6.5~7.4	9.0Max			
			302~372		7.5~8.4	10.0Max			
382~472	8.5~9.4		12.0Max						
502~822	9.5~12.5		14.5Max						
CT81	Y5V	1KV(N)	102~222	±20%(M)	3.5~5.5	6.5 Max	3.5Max		
			222~332		5.5~6.4	7.5Max			
			472~682	+80/-20%(Z)	6.5~7.4	8.5Max			
			682~822		7.5~8.4	9.5Max			
			822~103	8.5~9.4	10.5Max				
		2KV(M)	182~332	±20%(M)	3.5~5.4	6.5 Max	4.0Max		
			352~472		5.5~6.4	7.5Max			
			562~702	+80/-20%(Z)	6.5~7.4	8.5Max			
			392~472		7.5~8.4	9.5Max			
			792~103	8.5~9.4	11.0Max				
		3KV(P)	102~252	±20%(M)	3.5~5.4	8.5Max	5.0Max		
			262~332		5.5~6.4	9.5Max			
			392~472	+80/-20%(Z)	6.5~7.4	10.5Max			
			562~652		7.5~8.4	11.5Max			
			682~852	8.5~9.4	12.5Max				
			103	11.5~12.4	14.5Max				
		附注 Notes	若需 4KV~15KV 的, 请提供贵司的参数要求, 我会参照要求提供对应的尺寸, 谢谢! If need 4KV ~ 15KV, please provide your company's parameter request, we will provide the corresponding size according to the request, thanks!						



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产品类型 Product Type	温度特性 T.C.	额定电压 Rated voltage(V)	标称容量 Rated capacitance(pF)	允许偏差 Capacitance Tolerance(%)	芯片直径 Chip diameter (mm)	成品直径 Finished diameter(mm)	成品厚度 Finished thickness(mm)
CT7	Y5P	X: 250VAC B: 300VAC	101~481	±10%(K)	3.5~5.4	8.0 Max	5.0Max
			491~711		5.5~6.4	9.0 Max	
			721~991		6.5~7.4	10.0 Max	
			102~122		7.5~8.4	11.0 Max	
			132~152		8.5~9.4	12.0 Max	
	Y5U	X: 250VAC B: 300VAC	681~132	±20%(M) +80/-20%(Z)	3.5~5.4	8.0 Max	5.0Max
			142~192		5.5~6.4	9.0 Max	
			202~262		6.5~7.4	10.0 Max	
			272~322		7.5~8.4	11.0 Max	
			332~432		8.5~9.4	12.0 Max	
			472~682		10.0~12.4	15.0 Max	
	Y5V	X: 250VAC B: 300VAC	102~232	±20%(M) +80/-20%(Z)	3.5~5.4	8.0 Max	5.0Max
			242~332		5.5~6.4	9.0 Max	
			342~472		6.5~7.4	10.0 Max	
			482~572		7.5~8.4	11.0 Max	
			582~742		8.5~9.4	12.0 Max	
			752~103		10.0~12.0	15.0 Max	
	产品类型 Product Type	温度特性 T.C.	额定电压 Rated voltage(V)	标称容量 Rated capacitance(pF)	允许偏差 Capacitance Tolerance(%)	芯片直径 Chip diameter (mm)	成品直径 Finished diameter(mm)
CT7	Y5P	Y: 400VAC C: 500VAC	101~351	±10%(K)	3.5~5.4	8.0 Max	6.0Max
			361~471		5.5~6.4	9.0 Max	
			481~651		6.5~7.4	10.0 Max	
			661~841		7.5~8.4	11.0 Max	
			851~102		8.5~9.4	12.0 Max	
	Y5U	Y: 400VAC C: 500VAC	471~102	±20%(M) +80/-20%(Z)	3.5~5.4	10.0 Max	6.0Max
			102~132		5.5~6.4	9.0 Max	
			142~182		6.5~7.4	10.0 Max	
			192~222		7.5~8.4	11.0 Max	
			232~292		8.5~9.4	12.0 Max	
			302~332		9.5~10.4	13.0 Max	
	472	11.5~12.4	15.0 Max				
	Y5V	Y: 400VAC C: 500VAC	821~172	±20%(M) +80/-20%(Z)	3.5~5.4	8.0 Max	6.0Max
			172~222		5.5~6.4	9.0 Max	
			222~312		6.5~7.4	10.0 Max	
			322~392		7.5~8.4	11.0 Max	
			402~472		8.5~9.4	12.0 Max	

单击下面可查看定价，库存，交付和生命周期等信息

[>>FH\(风华高科\)](#)