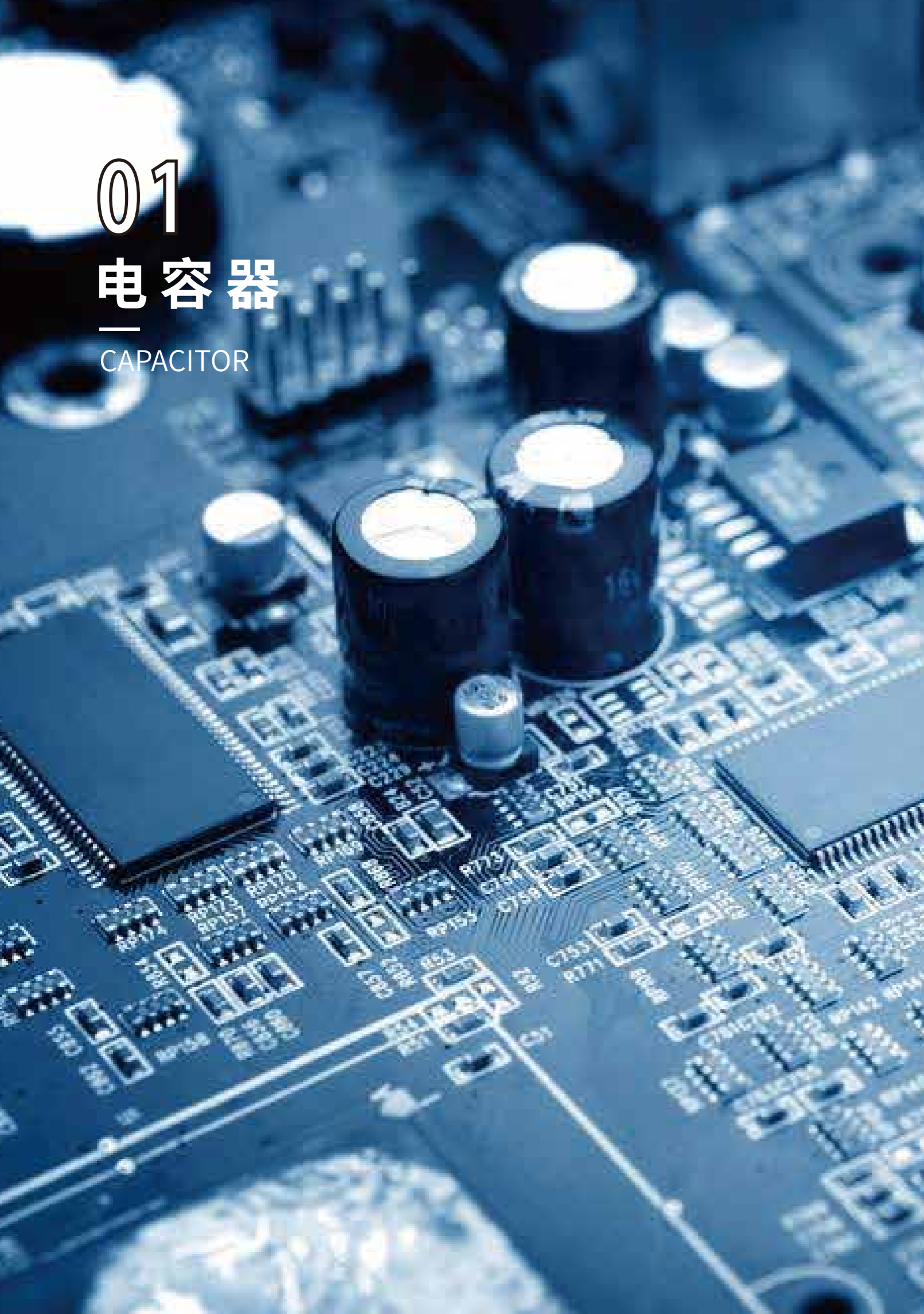


# 01 电容器 CAPACITOR



**片式多层陶瓷电容器**  
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
General 通用型	01005~1812	C0G	0.1pF~100μF	4	±0.05pF
		X7R		6.3	±0.1pF
		X7S		10	±0.25pF
		X5R		16	±0.5pF
		X6S		25	±1%
		Y5V		50	±5%
		Z5U		50	±10%
					±20%

**片式多层陶瓷电容器**  
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Middle-High Voltage 中高压型	0402~3035	C0G	0.1pF~4.7μF	100~5000	±0.05pF
		X7R			±0.1pF
		X7S			±0.25pF
		Y5V			±0.5pF
					±1%
					±5%
					±10%
					±20%

**片式多层陶瓷电容器**  
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
HQ Microwave MLCC HQ微波电容	0201	C0G	0.1pF~1nF	25	±0.05pF
	0402			50	±0.1pF
	0603			100	±0.25pF
	0805			200	±0.5pF
	0505			250	±5%
	1111			500	

**片式多层陶瓷电容器**  
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Low ESL MLCC 低ESL电容	0508	C0G	0.5pF~2.2μF	16	±0.1pF
		X7R		25	±0.25pF
		Y5V		50	±0.5pF
					±1%
					±5%
					±10%
					±20%

片式多层陶瓷电容器  
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Flexible MLCC 柔性端子电容器	0603~3035	COG	0.1pF~10μF	6.3~5000	±0.1pF ±0.25pF ±0.5pF ±1% ±5% ±10%
		X7R			

片式多层陶瓷电容器  
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Safety Recognized MLCC 贴片安规电容器	1808	COG X7R	2.0pF~33nF (X1,X2,Y2,Y3)	250	±0.1pF ±0.25pF ±0.5pF ±1% ±5% ±10%
	1812				
	2220				
	2225				

片式多层陶瓷电容器  
MULTILAYER CHIP CERAMIC CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Chip Three-terminals Ceramic Filter 片式三端陶瓷滤波电容器	5081	COG X7R	10pF~330nF	4, 6.3, 10 16, 25, 50, 100	±0.1pF; ±0.25pF ±0.5pF ±1%; ±5% ±10%
	5121				
Automotive Electronics MLCC 汽车电子电容器	0201~1812	COG	0.1pF~10μF	6.3~5000	±0.1pF; ±0.25pF ±0.5pF ±1%; ±5% ±10%
		X7R			
		X7S			

网络电容器  
NETWORK CAPACITOR



Series	Size	Dielectric	Capacitance Range	Rated Voltage (V)	Capacitance Tolerance
Array MLCC 排容	6124	COG X7R Y5V	0.5pF~100nF	16 25 50	±0.1pF ±0.25pF ±0.5pF ±1% ±5% ±10% ±20%
	5084				
	5082				
	5082				

径向引线电容器  
RADIAL LEADED MLCC



Series	PN	Chip Size	Capacitance Range(pF)	Tolerance	Temperature Characteristic	Main Rated Voltage(V)	Applications
Radial Leaded MLCC 径向引线多层陶瓷电容器	CC4-0805N	0805	0.5~4700	±0.25pF ±0.5pF ±5%	0±30 ppm/°C (-55~+125 °C)	50V 100V 200V	Filters, vibrators and timing circuits.
	CC4-1206N	1206					
	CC4-1210N	1210					
	CC4-1812N	1812	100~1000000	±10% ±20%	±15% (-55~+125 °C)	25V 50V 100V	Isolation, coupling, bypass and frequency discriminatinf circuit.
	CT4-0805B	0805					
	CT4-1206B	1206					
	CT4-1210B	1210	1000~2200000	±20% +80%~ -20%	-80%~+30% (-25~+85 °C)	25V 50V	Suitable for the circuit with large capacity and little temperature change.
	CT4-1812B	1812					
	CT4-0805Y	0805					
	CT4-1206Y	1206					
	CT4-1210Y	1210					
	CT4-1812Y	1812					

轴向激光电容器  
AXIAL LEADED LASER-MARK MLCC



Series	PN	Chip Size	Capacitance Range(pF)	Tolerance	Temperature Characteristic	Main Rated Voltage(V)	Applications
Axial Leaded Laser-mark MLCC 轴向激光多层陶瓷电容器	CC42-13N	0603	0.5~4700	±0.25pF ±0.5pF ±5%	0±30 ppm/°C (-55~+125 °C)	50V 100V 200V	Filters, vibrators and timing circuits.
	CC42-15N	0805					
	CC42-16N	0805					
	CC42-17N	0805	100~220000	±10% ±20%	±15% (-55~+125 °C)	25V 50V	Isolation, coupling, bypass and frequency discriminatinf circuit.
	CT42-13B	0603					
	CT42-15B	0805					
	CT42-16B	0805	1000~1000000	±20% +80%~ -20%	-80%~+30% (-25~+85 °C)	25V 50V	Suitable for the circuit with large capacity and little temperature change.
	CT42-17B	0805					
	CT42-13Y	0603					
	CT42-15Y	0805					
	CT42-16Y	0805					
	CT42-17Y	0805					

轴向色环电容器  
AXIAL COLOR CODE CAPACITOR



Series	PN	Chip Size	Capacitance Range(pF)	Tolerance	Temperature Characteristic	Main Rated Voltage(V)	Applications
Axial Color Code Capacitor 轴向色环电容器	ACC-03CG	0603	0.5~4700	±0.25pF ±0.5pF ±5%	0±30 ppm/°C (-55~+125 °C)	50V 100V 200V	Filters, vibrators and timing circuits.
	ACC- CG	0805					
	ACC-03B	0603	100~220000	±10% ±20%	±15% (-55~+125 °C)	25V 50V	Isolation, coupling, bypass and frequency discriminatinf circuit.
	ACC- B	0805					
	ACC-03F	0603	1000~1000000	±20% +80%~ -20%	-80%~+30% (-25~+85 °C)	25V 50V	Suitable for the circuit with large capacity and little temperature change.
	ACC- F/Y	0805					

圆片瓷介电容器  
CERAMIC DISC CAPACITOR



Series	Voltage	N750	SL
CC81 High Voltage Temperature Compensation 高压温度补偿型	1KV 2KV 3KV	10pF~30pF 10pF~22pF 10pF~22pF	33pF~100pF 22pF~100pF 22pF~100pF

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.

圆片瓷介电容器  
CERAMIC DISC CAPACITOR



Series	Voltage	Y5P	Y5U	Y5V
CT81 High Voltage High Dielectric Constant 高温高介电质常数	1KV	120pF~4.7nF	1nF~10nF	1nF~10nF
	2KV	120pF~3.9nF	820pF~10nF	1nF~10nF
	3KV	100pF~3.0nF	620pF~8.2nF	1nF~10nF
	4KV	100pF~1.5nF	1nF~4.7nF	1nF~4.7nF
	5~20KV	10pF~3.2nF customized according to Customer's requirements.		

Used for loss value and volume stability of circuits, such as low frequency, bypass, coupling, filtering, decoupling, etc. the time constant of components.

圆片瓷介电容器  
CERAMIC DISC CAPACITOR



Series	Voltage	Y5P	Y5U	Y5V
CT7 Alternating Current Series 交流系列	Y2:250VAC/300VAC	100pF~1.5nF	680pF~6.8nF	1nF~10nF
	Y1:400VAC/500VAC	100pF~1nF	470pF~4.7nF	1nF~10nF

AC ceramic capacitor is suitable for electronic equipment as the Power cord connection and antenna coupling and bypass, etc.

圆片瓷介电容器  
CERAMIC DISC CAPACITOR



Series	Voltage	Y5P	Y5U	Y5V
CHG Car Gauge Series Products 车规系列产品	Y2:250VAC/300VAC	100pF~1nF	470pF~6.8nF	1nF~10nF
	Y1:400VAC	100pF~1nF	470pF~4.7nF	1nF~10nF

CT7 ampere series upgrade products, meet the high reliability test requirements, suitable for cross-power wire connection, antenna coupling and bypass in electronic equipments.

铝电解电容器  
ALUMINUM ELECTROLYTIC CAPACITOR



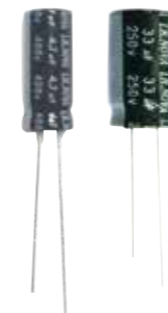
Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
MT	105°C Long life	SMD	-40°C~+105°C	6.3~100	0.1~100	2000	General power supply & Power adapter
ME	Low impedance standard		-55°C~+105°C	6.3~50	1~1500	2000	
MG	105°C Long life		-40°C~+105°C	6.3~500	1~330	8000	Automotive lighting & Power supply
MVR	130°C Standard life		-40°C~+130°C	6.3~450	0.1~330	5000	

铝电解电容器  
ALUMINUM ELECTROLYTIC CAPACITOR



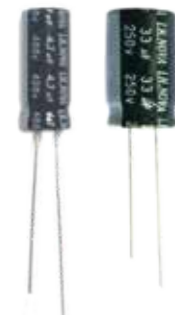
Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
AMT	105°C Long life	SMD	-40°C~+105°C	6.3~100	0.1~220	2000	Compliant to AEC-Q200 Used for automobile modules
AMZ	Low impedance standard		-55°C~+105°C	6.3~50	1~100	2000~5000	
AMVR	130°C Standard life		-40°C~+130°C	6.3~450	0.1~330	5000	

铝电解电容器  
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
RT	Standard	Radial	-40°C~+105°C	6.3~550	0.47~10000	2000~3000	Switching Power supply & LED drive power
RG	High ripple current & Long life		-40°C~+105°C	6.3~500	2.2~220	8000	
RY	High ripple current & Long life		-40°C~+105°C	6.3~500	2.2~220	12000	
RV	130°C Long life		-40°C~+130°C	6.3~500	1~150	5000	
LE	High frequency & Low impedance		-55°C~+105°C	6.3~450	1~18000	2000~5000	
LY	Low impedance & Long life		-55°C~+105°C	6.3~450	6.8~18000	5000~10000	

铝电解电容器  
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
ARG	High ripple	Radial	-40°C~+105°C	6.3~500	2.2~220	8000	Compliant to AEC-Q200 Used for automobile modules
ALE	High ripple current & Long life		-55°C~+105°C	6.3~450	1~18000	2000~5000	
ARK	130°C Standard life		-40°C~+130°C	10~450	1~4700	2000	
ARW	150°C Standard life		-40°C~+150°C	6.3~450	2.2~4700	2000	

铝电解电容器  
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
GT	Large capacitance 85°C Standard	Screw	-40°C~+85°C	10~500	220~680000	2000	UPS & Air conditioning inverse transformer
GH	Large capacitance 105°C Standard		-40°C~+105°C	10~450	220~680000	2000	
GR	150°C Long life		-40°C~+105°C	10~450	220~680000	3000	
GS	150°C Extended lifetime		-40°C~+105°C	10~450	220~680000	5000	

铝电解电容器  
ALUMINUM ELECTROLYTIC CAPACITOR



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
LK	85°C Standard	Snap-in	-40°C~+85°C	6.3~550	47~82000	2000	Switching power supply, Welding machine & Sewing machine
LT	105°C Standard		-40°C~+105°C	10~500	47~82000	2000	
LW	High ripple current range		-40°C~+105°C	10~500	47~82000	2000	Charging pile & Server & Communication equipment
LP	High ripple current range		-40°C~+105°C	10~500	47~82000	2000	

卷绕式超级电容器  
WINDING TYPE SUPERCAPACITOR



Type	Series	Rated Voltage	Capacitance	Product Characteristics	Size(mm)
Cells	Normal	2.7V 3.0V	0.33F~3000F	Operating Temperature Range	-40°C~+70°C/85°C
	High Temperature			Cycle Life	500000Cycles
	Low ESR			High Temperature Loaded	Tmax±2°C, 1000h: C≥70%Cr, ESR:R <sub>H</sub> /R <sub>0</sub> ≤4
Modules	Normal	3.6V   160V	0.22F~200F	High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R <sub>H</sub> /R <sub>0</sub> ≤2
	High Temperature			Low Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R <sub>L</sub> /R <sub>0</sub> ≤2
	Low ESR				

扣式超级电容器  
COIN TYPE SUPERCAPACITOR



Type	Series	Rated Voltage	Capacitance	Product Characteristics	Size(mm)	
C	Normal	3.6V	0.1F~4.0F	Operating Temperature Range	-25°C~+70°C/85°C	
	High Temperature			Cycle Life	500000Cycles	
	H			Normal	5.0V	High Temperature Loaded
High Temperature		5.5V				
V	Normal	7.5V		High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R <sub>H</sub> /R <sub>0</sub> ≤2	
	High Temperature			Low Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R <sub>L</sub> /R <sub>0</sub> ≤2	φD×h φ12×4.5 φ19.2×4.5 φ24.6×6.5

锂离子超级电容器  
LIC TYPE SUPERCAPACITOR



Type	Series	Rated Voltage	Capacitance	Product Characteristics	Size(mm)
Cells	LIC	3.8V	10F~750F	Operating Temperature Range	-20°C~+70°C
				Cycle Life	200000Cycles
				High Temperature Loaded	Tmax±2°C, 1000h: C≥70%Cr, ESR:R <sub>H</sub> /R <sub>0</sub> ≤4
				High Temperature Characteristics	Tmax, 16h: C≥70%Cr, ESR:R <sub>H</sub> /R <sub>0</sub> ≤2
				Low Temperature Characteristics	Tmin, 16h: C≥70%Cr, ESR:R <sub>L</sub> /R <sub>0</sub> ≤2

固态铝电解电容器  
SOLID E-CAP



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
M1	Super low ESR		- 55°C~ + 105°C				
M2	Standard			2.5~25	10~3500	2000	Computer and peripheral, Communication equipment & Fast charging field.
M4	125°C Guaranteed	SMD	- 55°C~ + 125°C				
M5	Long life					5000	
			- 55°C~ + 105°C				
M6	Low ESR & High ripple current and voltage			10~50	15~1000	2000	Automobile modules

固态铝电解电容器  
SOLID E-CAP



Series	Features	Shape or Type	Operating Temperature	Rated Voltage(V)	Capacitance Range(μF)	Load Life	Main Application
E1	Super low ESR		- 55°C~ + 105°C				
E2	Standard			2.5~25	10~3500	2000	
E4	125°C Standard		- 55°C~ + 125°C				
E5	Long life		- 55°C~ + 105°C			5000	Computer and peripheral, Communication equipment & Fast charging field.
		Radial					
H2	Standard		- 55°C~ + 105°C	35~200	1.8~220	2000	
H4	High voltage & 125°C Guaranteed		- 55°C~ + 125°C	35~200	1.8~220		
H5	High voltage & Long life			35~200	1.8~220	5000	
			- 55°C~ + 105°C				
H6	High ripple current & Voltage; Low ESR			10~50	15~1000	2000	Automobile modules