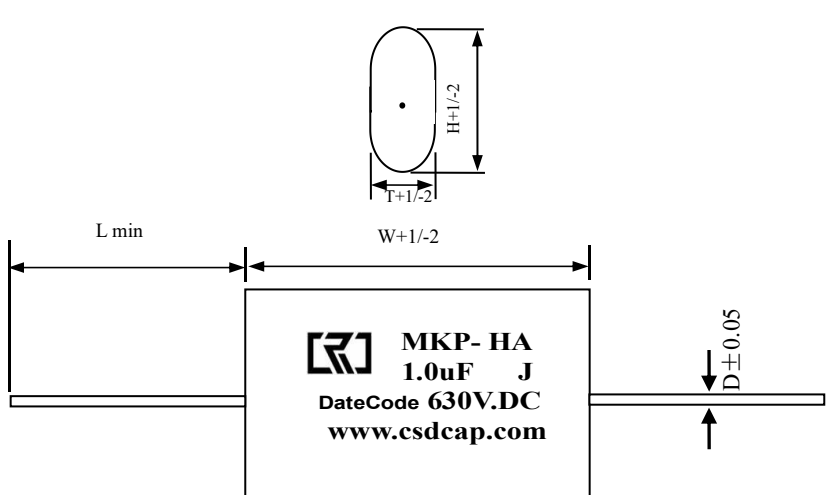




CRC NEW ENERGY

APPROVAL SHEET

TO: 缓冲吸收电容1.0uF $\pm$ 5% 630V

Main Materials		MARKING & OUTLINE DRAWING	
Construction	Materials		
Dielectric	Metallized Polypropylene Film		
Terminal	Tinned Copper Wire		
Filling	Flame-retardant epoxy resin, white		
Case	Mylar tape		

TYPE	specs	Dimensions (mm)					NOTE
		W	H	T	L	D	
HA5005	MKP-HA1.0uFJ 630VDC	27	20	10	45	0.8	

CUSTOMER CONFIRMATION			CR OFFER		
STAMP	APPROVED BY	CHECKED BY	STAMP	APPROVED BY	PREPARED BY
				李章毫	李爱
DATE			DATE	2022-5-9	

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TEL: +86 - 0755 - 29948883 / 29948998 FAX: +86 - 0755 - 29948906 <http://www.csdcap.com>

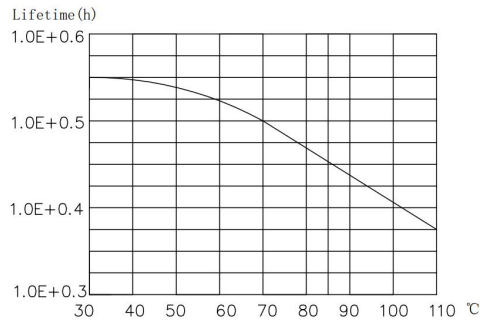
CRC-BDE-08

Technical Data

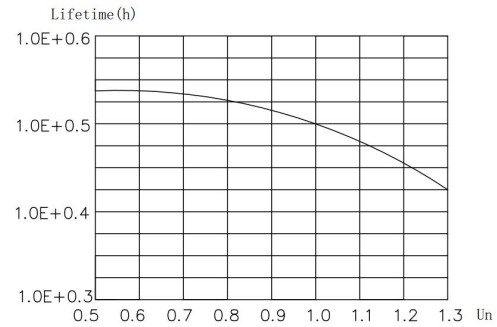
Items		Symbols	Values
Rated capacitance		C _N	1.0μF ± 5%
Rated voltage		U _N	630V.DC
Non-recurrent surge voltage		U _s	1000V.DC
Maximum current		I _{rms}	6A
Maximum peak current		î	300A
Maximum surge current		I _s	900A
Series resistance		R _s	≤8.0m Ω
Tangent of the loss		tan δ	≤0.0015(1KHZ)
Insulation Resistance		C×R _{is}	≥5000S
Self inductance		L _e	≤30nH
Lowest operating temperature		Θ _{min}	-40℃
Maximum operating temperature		Θ _{max}	105℃
operating humidity		RH	0~95%
Storage temperature		Θ _{storage}	85℃
Service life			100000h
At Θ _{hotspot}			≤85℃
Failure quota			<100Fit
Test data			
Voltage test between terminals		V _{tt}	950V.DC/10S
过电压	1.1 UN (30% of on-load-dur.)		
	1.15 UN (30min/day)		
	1.2 UN (5min/day)		
	1.3 UN (1min/day)		
	1.5 UN (30ms every time, 1 000times during the life of the capacitor)		
Operating altitude			1000m（max）
Terminal tightening torque			— — — —
Bottom tightening torque			— — — —
Weight			— — — —

ELECTRICAL CHARACTERISTICS OF FILM CAPACITOR

1. Lifetime Expectancy

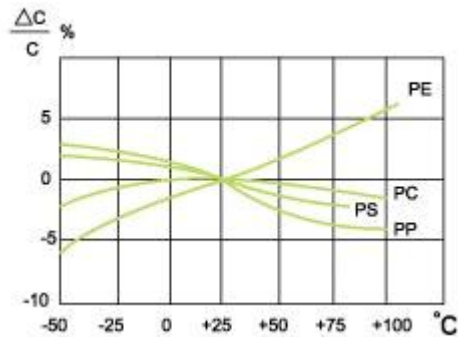


Lifetime expectancy vs. Charging temperature

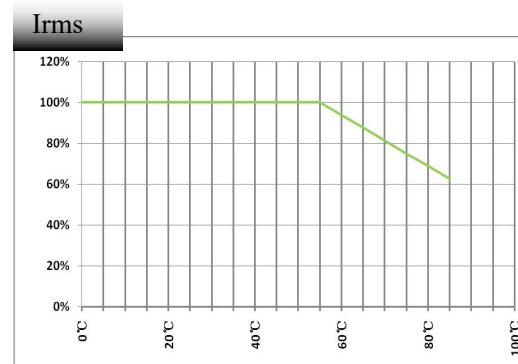


Lifetime expectancy vs. Charging voltage

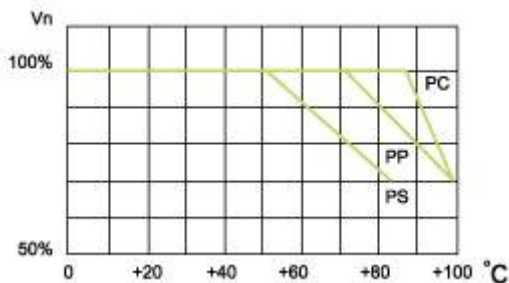
2. Temperature Characteristics



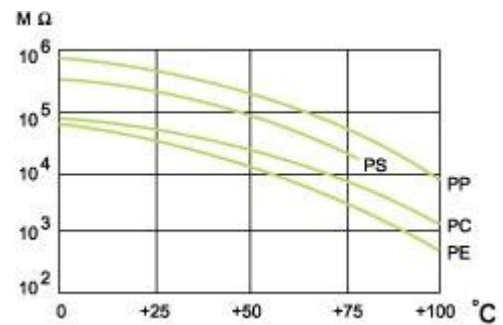
Capacitance change rate vs. Temperature



Operating current vs. Temperature

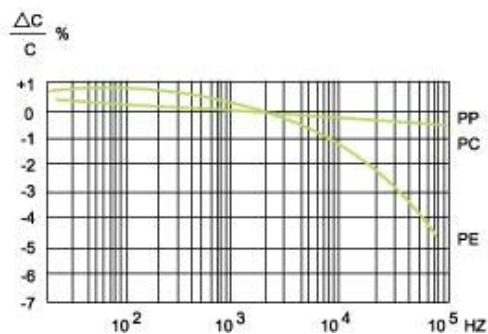


Operating voltage vs. Temperature

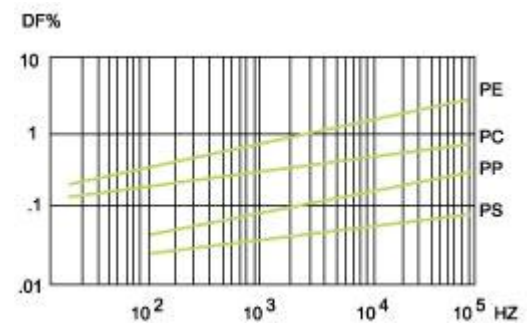


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency