



CRC NEW ENERGY

APPROVAL SHEET

TO: 直流支撑电容 220 μ F \pm 10% 800V

Main Materials		MARKING & OUTLINE DRAWING	
Construction	Materials		
Film	Metallized Polypropylene film		
Electrode	Tinned copper nut		
Epoxy	Flame-retardant Epoxy-Black		
Case	Plastic case		

MKP-FS
 220 μ F 0~10%
 UN 800V.DC
 Date code
 Lot NO.: 传票号
 www.csdcap.com
 深圳市创容新能源有限公司

Part No.	TYPE	Dimensions (mm)					NOTE
		D	H	P1	P2	Out put	
FS7089	MKP-FS220 μ F K800V.DC	85	65	45	101	M6*8	$\varnothing=5.5$

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	APPROVED BY	CHECKED BY	STAMP	APPROVED BY	PREPARED BY
				张东泽	李道燕
DATE			DATE	2019-9-4	

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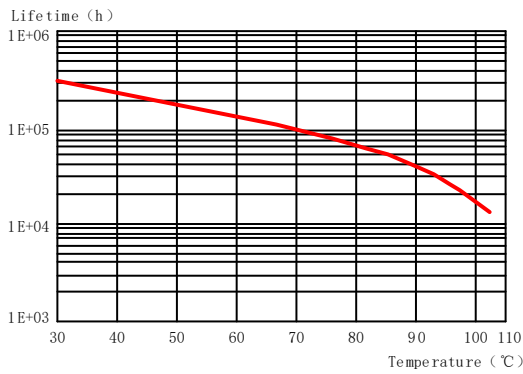
CRC-BDE-08

Technical Data

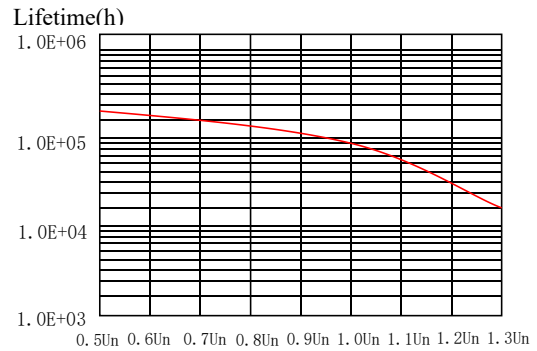
Items	Symbols	Values
Rated capacitance	C_N	220 μ F
Capacitance tolerance		0~10%
Rated voltage	U_N	800V.DC
Maximum surge voltage	U_s	1200V.DC
Maximum current	I_{rms}	85A
Maximum peak current	\hat{I}	3.5kA
Maximum surge current	I_s	10kA
Series resistance	R_s	$\leq 1.5m\ \Omega$
Tangent of the loss	$\tan \delta$	≤ 0.0020 (100Hz)
Insulation resistance	$C \times R_{is}$	$\geq 5000s$
Self inductance	L_e	$\leq 40nH$
Operating temperature range		-40 $^{\circ}$ C~+105 $^{\circ}$ C
Storage temperature range		-40 $^{\circ}$ C~+105 $^{\circ}$ C
Operating maximum humidity		95%RH
Service life		100000h
At Θ hotspot		$\leq 70^{\circ}$ C
Failure quota		50Fit
Test data		
Voltage test between terminals	V_{t-t}	1200V.DC/10s
A.C. voltage test between terminals and case	V_{t-c}	3000V.AC/10s
Operating altitude		2000m (max)
Terminal tightening torque		4.5Nm (max)
Bottom tightening torque		3.5Nm (max)
Weight		550g

Electrical Characteristics of Film Capacitor

1. Lifetime Expectancy

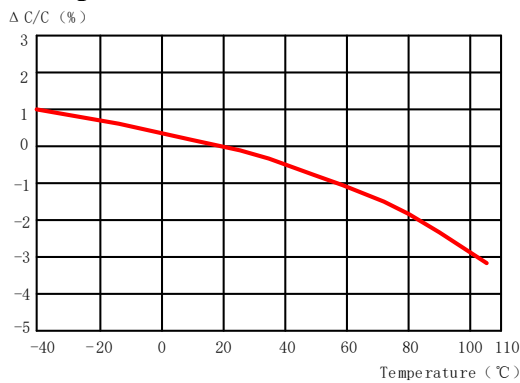


Lifetime expectancy vs. Charging temperature

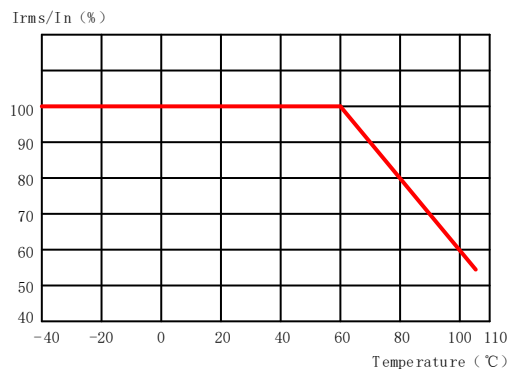


Lifetime expectancy vs. Charging voltage

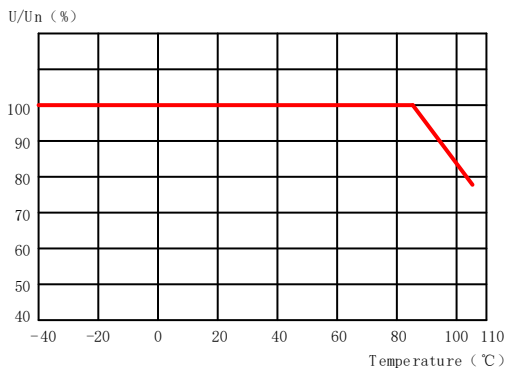
2. Temperature Characteristics



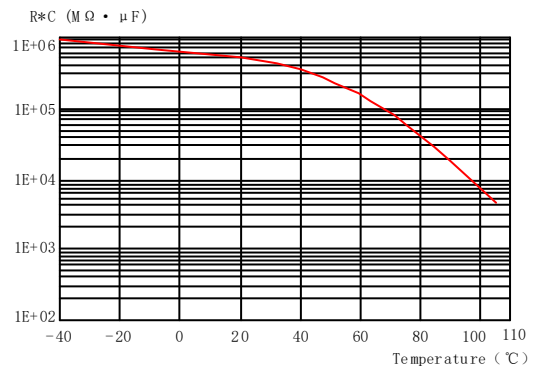
Capacitance change rate vs. Temperature



Operating current vs. Temperature

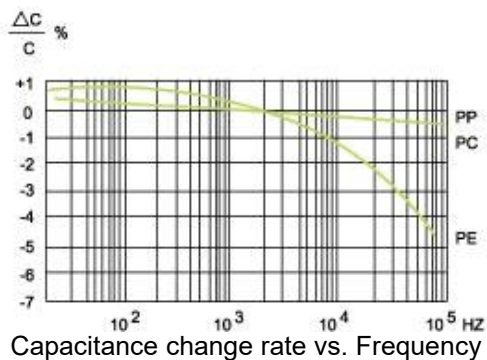


Operating voltage vs. Temperature

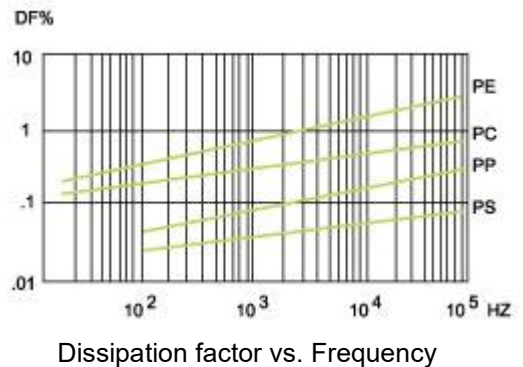


Insulation Resistance vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency