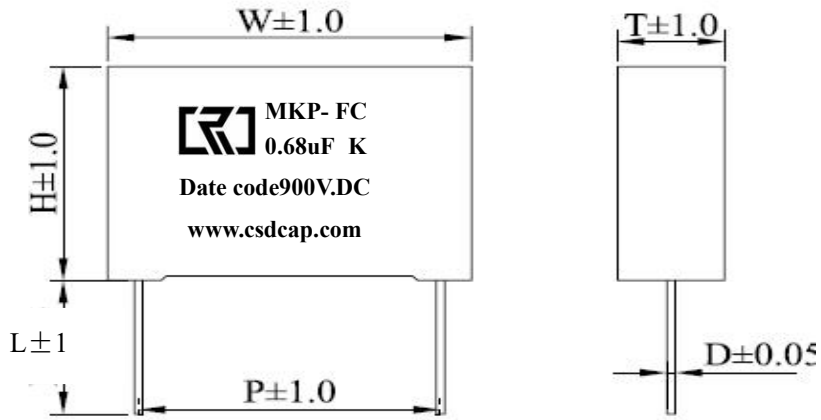
CRC NEW ENERGY

APPROVAL SHEET

TO: 直流支撑电容 680nF±10%900V

Main Materials		MARKING & OUTLINE DRAWING
Construction	**Materials**	
Dielectric	Metallized Polypropylene Film	
Terminal	Tinned copper plate	
Filling	Flame-retardant epoxy resin , grey	
Case	Flame-retardant plastic case,grey	

Part No.	TYPE	Dimensions（mm）						NOTE
		W	H	T	P	L	ΦD	
FC4001	MKP-FC 0.68μF K 900VDC	32	20	11	27.5	15	0.8	

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	**APPROVED BY**	**CHECKED BY**	**STAMP**	**APPROVED BY**	**PREPARED BY**
					田星月
DATE			**DATE**	**2019-08-10**	

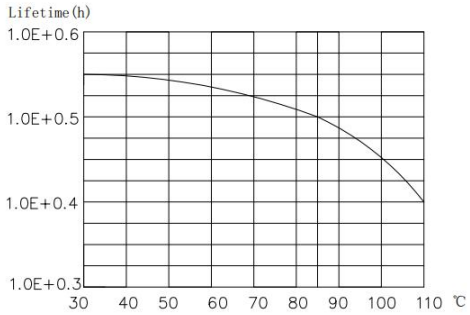
SHENZHEN CRC NEW ENERGY CO., LTD
6th and 7th Floor R&D Building, Yanchuan North Industrial Park,
Songgang Town, Baoan District, Shenzhen, China
TEL: +86 - 0755 - 29948883 / 29948998 FAX: +86 - 0755 - 29948906 http://www.csdcap.com

Technical Data

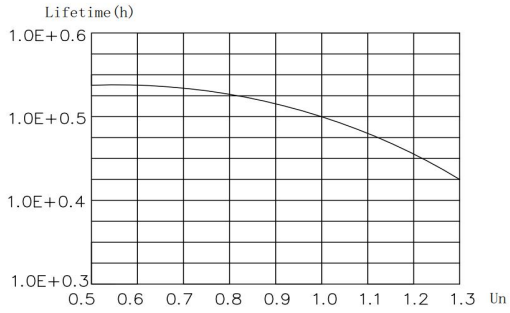
Items	Symbols	Values
Rated capacitance	C_N	0.68μF±10%
Rated voltage	U_N	900V.DC
Non-recurrent surge voltage	U_s	1500V.DC
Maximum current	Irms	8A
Maximum peak current	Î	120A
Maximum surge current	I_S	360A
Series resistance	R_S	≤33mΩ
Tangent of the loss	tan δ	≤0.0010
Insulation Resistance	$C \times R_{is}$	≥5000S 100V.DC/60S
Lowest operating temperature	Θmin	-40℃
Maximum operating temperature	Θmax	105℃
operating humidity	RH	0~95%
Storage temperature	Θstorage	85℃
Service life		100000h
At Θhotspot		≤85℃
Failure quota		＜100Fit
Test data		
Voltage test between terminals	Vtt	1350V.DC/10S
A.C. voltage test between terminals and case	Vt-c	----------
Operating altitude		2000m（max） 3000 m:0.85Un
Terminal tightening torque		_
Bottom tightening torque		_
Weight		_

Electrical Characteristics of Film Capacitor

1. Lifetime Expectancy

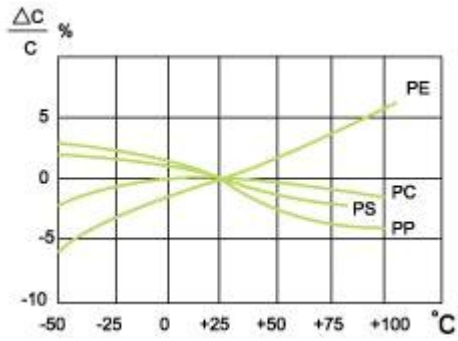


Lifetime expectancy vs. Charging temperature

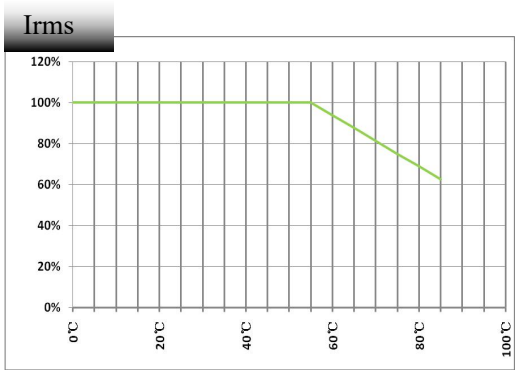


Lifetime expectancy vs. Charging voltage

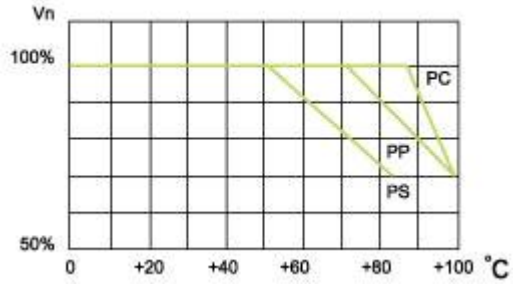
2. Temperature Characteristics



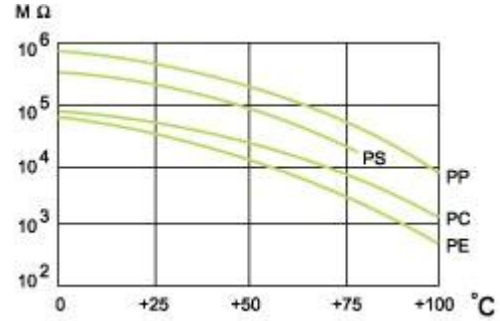
Capacitance change rate vs. Temperature



Operating current vs. Temperature

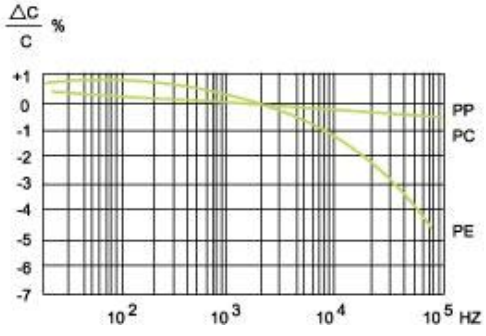


Operating voltage vs. Temperature

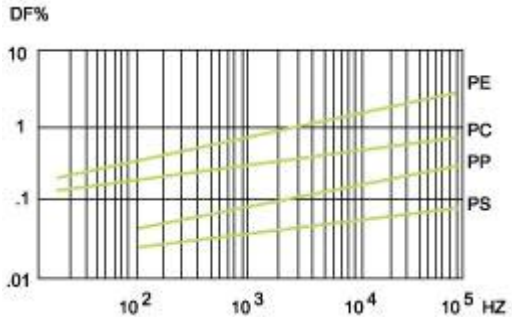


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequen