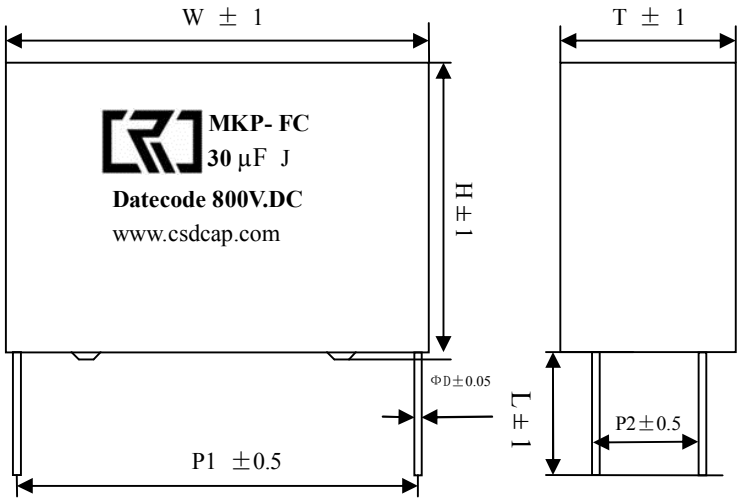
CRC NEW ENERGY

APPROVAL SHEET

TO: 直流支撑电容30uF ± 5%　800V

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

TYPE	specs	Dimensions（mm）							NOTE
		W	H	T	P1	P2	L	ΦD	
FC6092	MKP-FC 30μF J 800V.DC	42	45	30	37.5	20.3	6	1.2	

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

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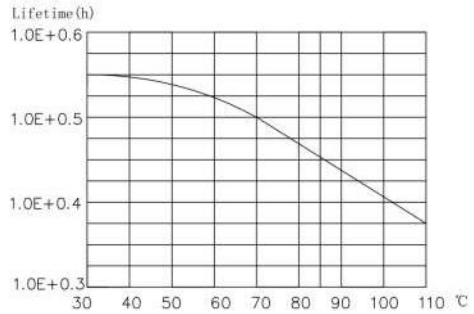
Technical Data

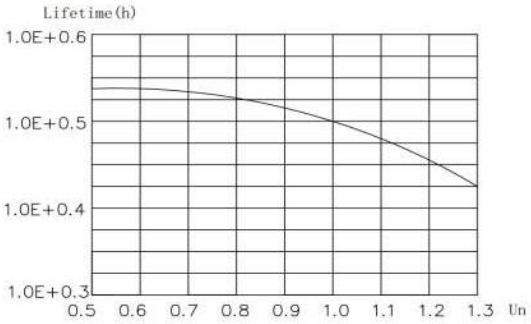
Items	Symbols	Values
Rated capacitance	C_N	30μF±5%
Rated voltage	U_N	800V.DC
Non-recurrent surge voltage	U_s	1350V.DC
Maximum current	Irms	24A
Series resistance	R_S	≤4.2mΩ
Tangent of the loss	tan δ	≤0.0015(100Hz)
Insulation Resistance	$C \times R_{is}$	≥5000S
Self inductance	L_e	≤35nH
Lowest operating temperature	Θmin	-40℃
Maximum operating temperature	Θmax	105℃
Operating humidity	RH	0~95%
Service life		100000h
At Θhotspot		≤105℃
Failure quota		＜100Fit
Test data		
Voltage test between terminals	Vtt	1200V.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		2000m（max）
Terminal tightening torque		_
Bottom tightening torque		_
Weight		_

ELECTRICAL CHARACTERISTICS OF FILM CAPACITOR

1. Lifetime Expectancy

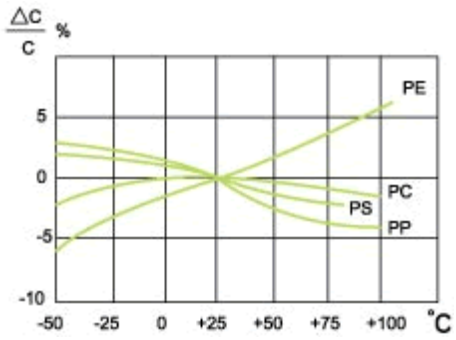


Lifetime expectancy vs. Charging temperature

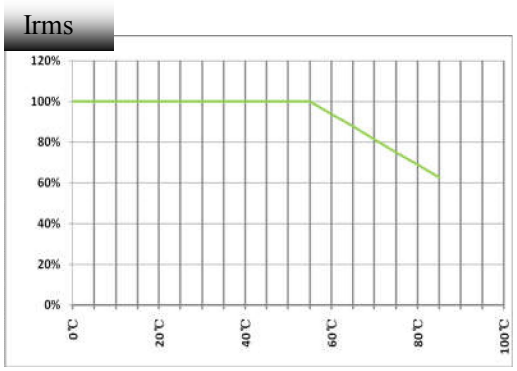


Lifetime expectancy vs. Charging voltage

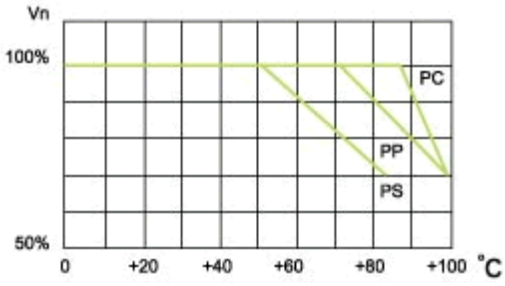
2. Temperature Characteristics



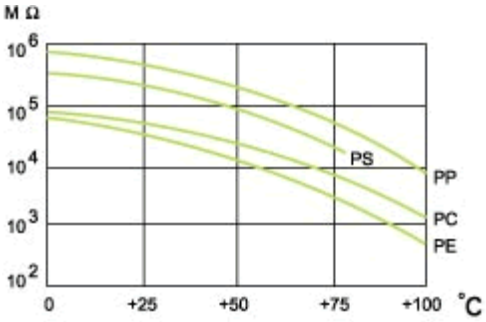
Capacitance change rate vs. Temperature



Operating current vs. Temperature

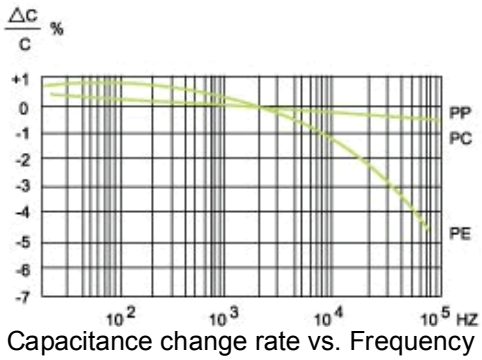


Operating voltage vs. Temperature

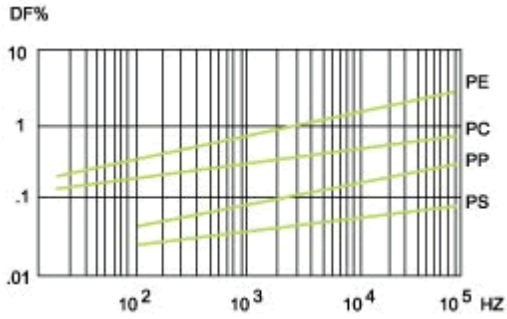


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency