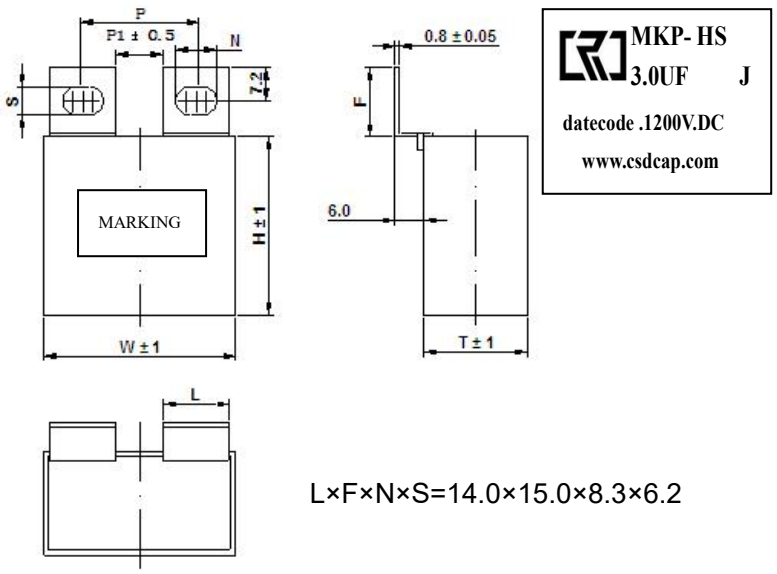
CRC NEW ENERGY

APPROVAL SHEET

TO: 缓冲吸收电容 3uF±5% 1200V

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



L×F×N×S=14.0×15.0×8.3×6.2

Part No.	TYPE	Dimensions（mm）					NOTE
		W	H	T	P1	P	
HS5067	MKP-HS 3.0μF J1200VDC	57.5	45	30	8	22	

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	**APPROVED BY**	**CHECKED BY**	**STAMP**	**APPROVED BY**	**PREPARED BY**
					闫佳佳
DATE			**DATE**	**2020-03-28**	

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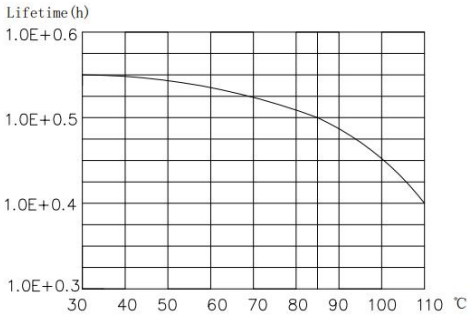
Technical Data

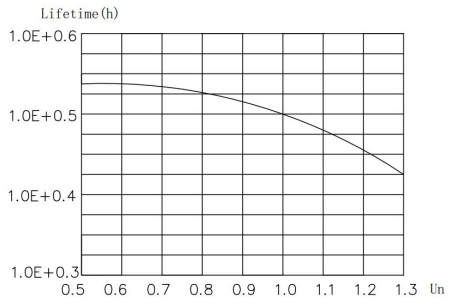
Items	Symbols	Values
Rated capacitance	C_N	3.0μF±5%
Rated voltage	U_N	1200V.DC
Non-recurrent surge voltage	U_s	1900V.DC
Maximum current	Irms	10A
Maximum peak current	$\hat{I}$	470A
Maximum surge current	I_S	1410A
Series resistance	R_S	≤30mΩ
Tangent of the loss	tan δ	≤0.0015(10KHZ)
Insulation Resistance	$C \times R_{is}$	≥5000S
Self inductance	L_e	≤24nH
Lowest operating temperature	Θmin	-40℃
Storage temperature	Θstorage	105℃
Operating humidity	RH	0~95%
Service life		100000h
Failure quota		＜100Fit
Test data		
Voltage test between terminals	Vtt	1800V.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

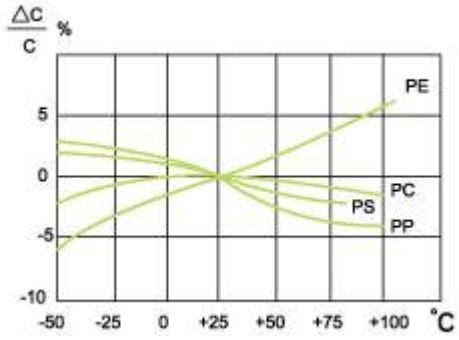


Lifetime expectancy vs. Charging temperature

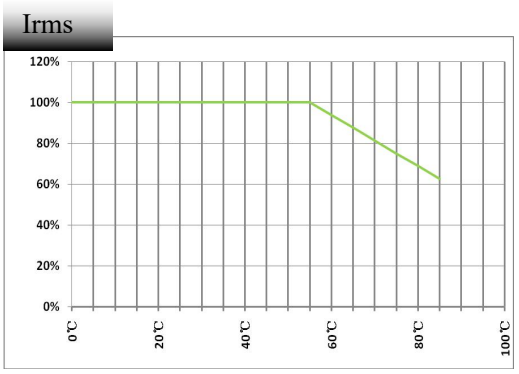


Lifetime expectancy vs. Charging voltage

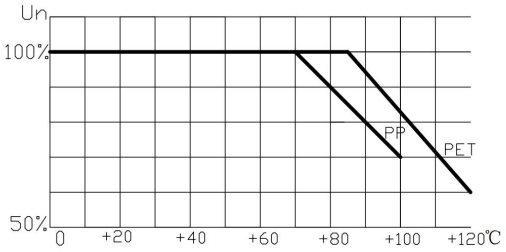
2. Temperature Characteristics



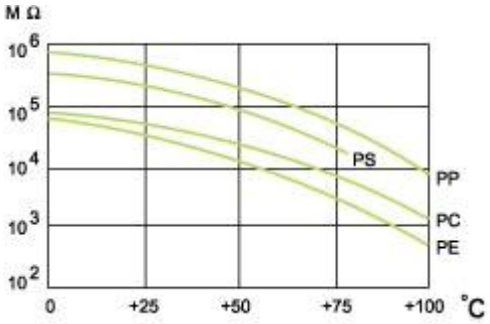
Capacitance change rate vs. Temperature



Operating current vs. Temperature

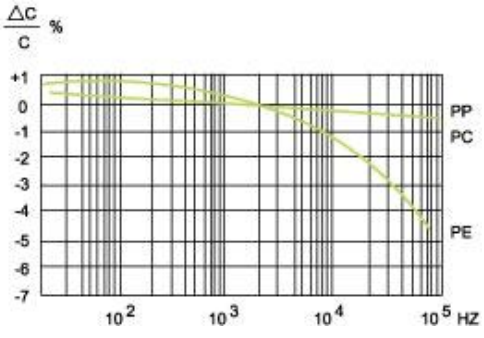


Operating voltage vs. Temperature

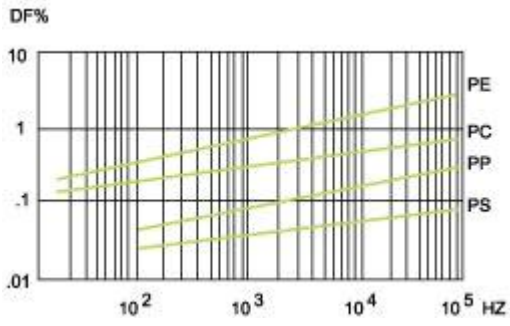


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency