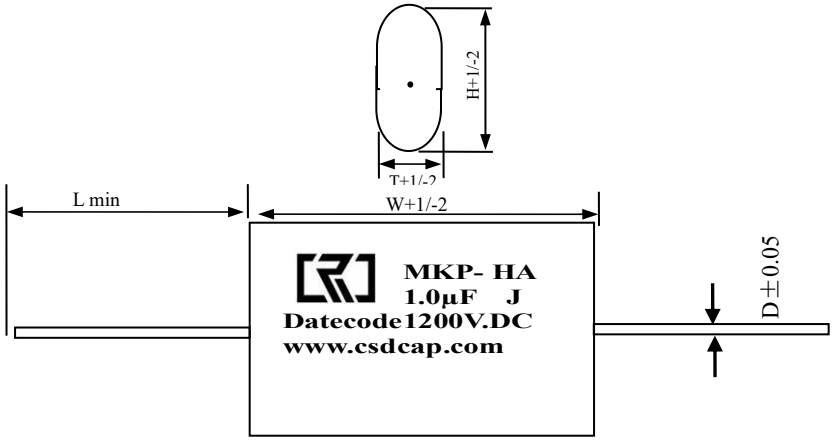
CRC NEW ENERGY

APPROVAL SHEET

TO: 缓冲吸收电容 1uF±5% 1200V

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



Part No.	TYPE	Dimensions（mm）						NOTE
		W	H	T	L	D		
HA5014	MKP-HA1.0μFJ 1200VDC	44	32.2	21	35	1.2		

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	**APPROVED BY**	**CHECKED BY**	**STAMP**	**APPROVED BY**	**PREPARED BY**
					李道燕
DATE			**DATE**	2019-08-19	

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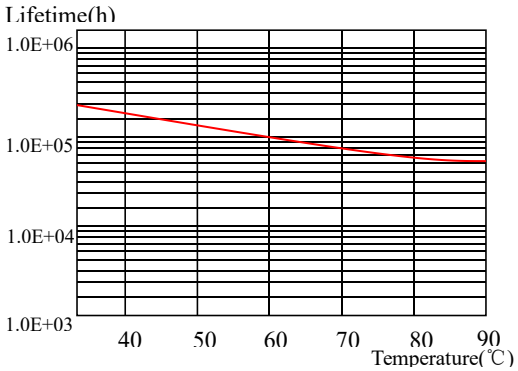
Technical Data

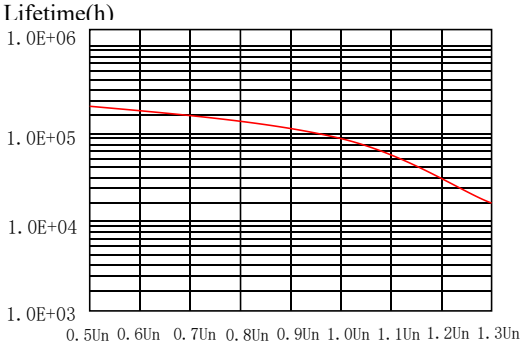
Items	Symbols	Values
Rated capacitance	C_N	1.0μF±5%
Rated voltage	U_N	1200V.DC
Non-recurrent surge voltage	U_s	-------
Maximum current	Irms	12.4A
Maximum peak current	Î	1000A
Maximum surge current	I_S	-------
Series resistance	R_S	≤5mΩ
Tangent of the loss	tan δ	≤0.0010(1.0KHZ)
Insulation Resistance	$C \times R_{is}$	≥5000S
Self inductance	L_e	≤28nH
Lowest operating temperature	Θmin	-40℃
Storage temperature	Θstorage	85℃
Operating humidity	RH	0~95%
Maximum operating temperature	Θmax	85℃
Service life		100000h
Failure quota		100Fit
Test data		
Voltage test between terminals	Vtt	1800V.DC/10S
A.C.voltage test between terminals and case	Vt-c	3000V.AC/10S
Operating altitude		2000m（max）
Terminal tightening torque		————
Bottom tightening torque		————
Weight		kg

ELECTRICAL CHARACTERISTICS OF FILM CAPACITOR

1. Lifetime Expectancy

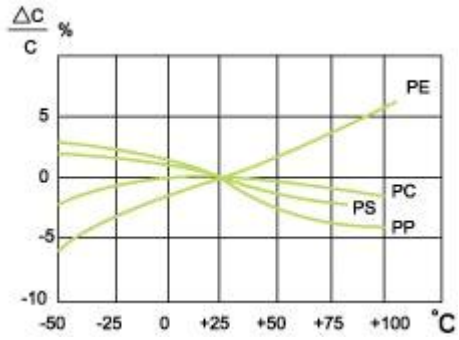


Lifetime expectancy vs. Charging temperature

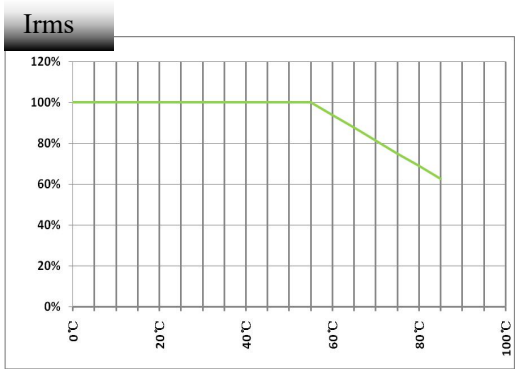


Lifetime expectancy vs. Charging voltage

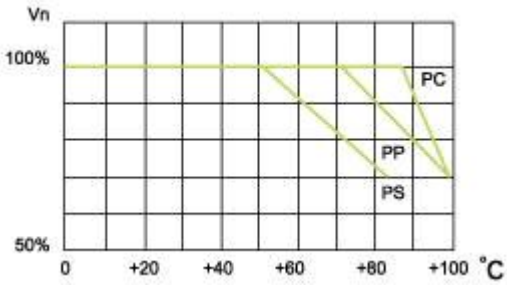
2. Temperature Characteristics



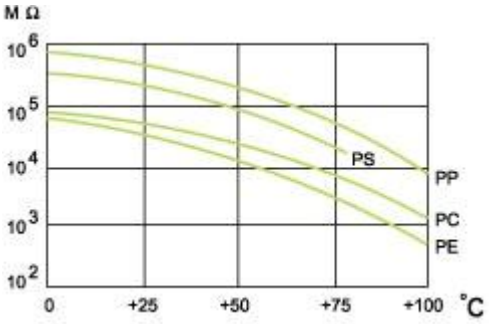
Capacitance change rate vs. Temperature



Operating current vs. Temperature

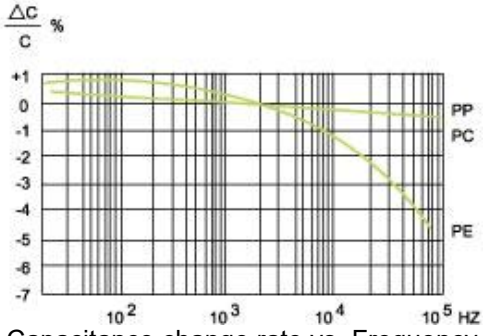


Operating voltage vs. Temperature

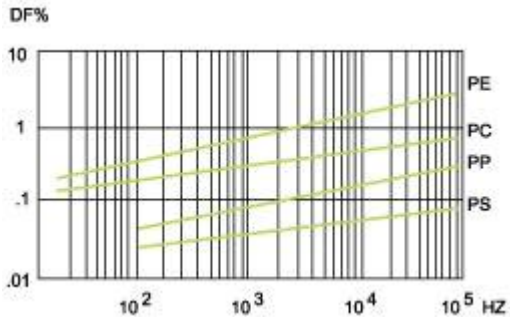


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency