



CRC NEW ENERGY

APPROVAL SHEET

TO: 缓冲吸收电容 220nF ± 10% 1200V

Main Materials		MARKING & OUTLINE DRAWING	
Constru ction	Materials		
Dielectric	Metallized Polypropylene Film	MKP- HS 0.22uF K datecode .1200V.DC www.csdcap.com	
Terminal	Tinned copper plate		
Filling	Flame-retardant epoxy resin, white		
Case	Flame-retardant plastic case, grey		
		$L \times F \times N \times S = 14.0 \times 15.0 \times 8.5 \times 6.5$	

Part No.	TYPE	Dimensions (mm)					NOTE
		W	H	T	P1	P	
HS4002	MKP-HS/0.22μF K 1200VDC	42.5	27.5	24.5	12	26	

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	APPROVED BY	CHECKED BY	STAMP	APPROVED BY	PREPARED BY
					田星月
DATE			DATE	2019-5-17	

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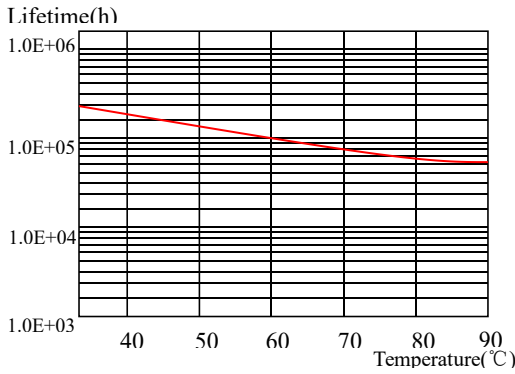
CRC-BDE-08

Technical Data

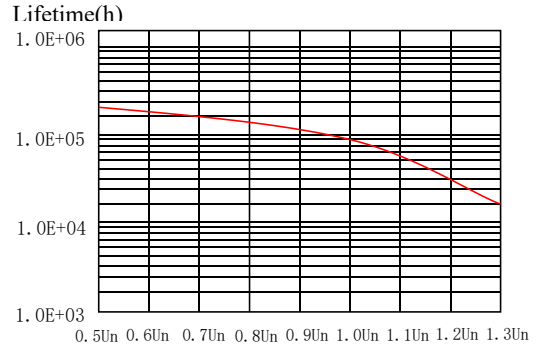
Items	Symbols	Values
Rated capacitance	C_N	$0.22\mu F \pm 10\%$
Rated voltage	U_N	1200V.DC
Maximum current	I_{rms}	10A
Maximum peak current	\hat{I}	220A
Maximum surge current	I_s	660A
Series resistance	R_s	$\leq 7.4m\Omega$
Tangent of the loss	$\tan \delta$	$\leq 0.0010(10KHZ)$
Insulation Resistance	$C \times R_{is}$	$\geq 5000S$
Self inductance	L_e	$\leq 24nH$
Lowest operating temperature	Θ_{min}	$-40^\circ C$
Maximum operating temperature	Θ_{max}	$105^\circ C$
operating humidity	RH	0~95%
Storage temperature	$\Theta_{storage}$	$105^\circ C$
Service life		100000h
At $\Theta_{hotspot}$		$\leq 85^\circ C$
Failure quota		$< 100Fit$
Test data		
Voltage test between terminals	V_{tt}	1800V.DC/10S
A.C. voltage test between terminals and case	V_{t-c}	---
Operating altitude		2000m (max)
Terminal tightening torque		4.5Nm (max)
Bottom tightening torque		7Nm (max)
Weight		--

ELECTRICAL CHARACTERISTICS OF FILM CAPACITOR

1. Lifetime Expectancy

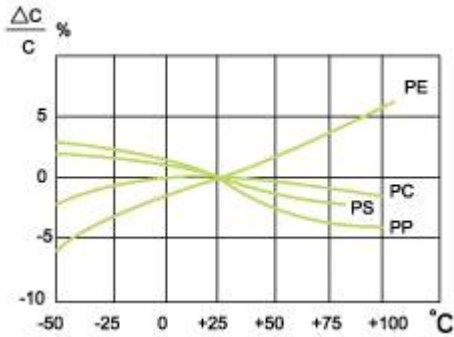


Lifetime expectancy vs. Charging temperature

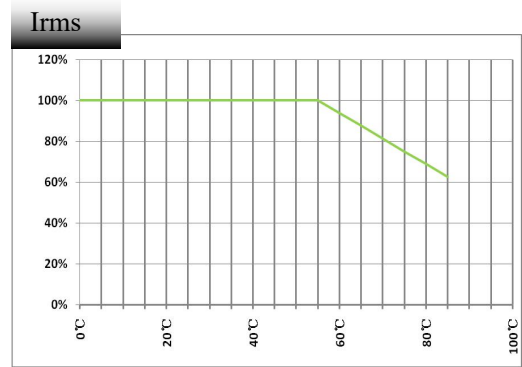


Lifetime expectancy vs. Charging voltage

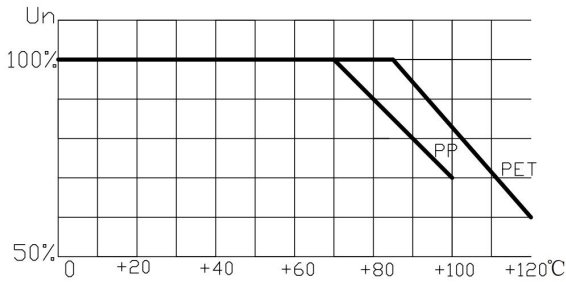
2. Temperature Characteristics



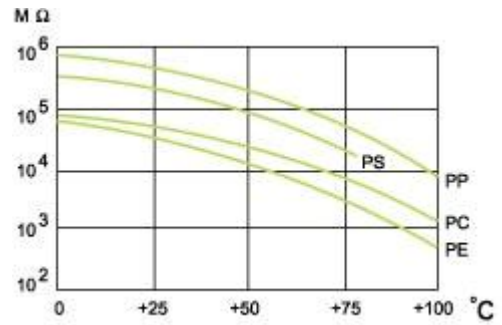
Capacitance change rate vs. Temperature



Operating current vs. Temperature

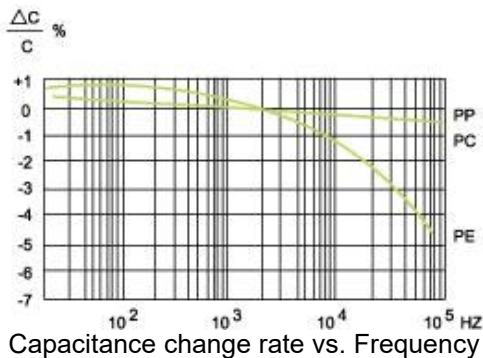


Operating voltage vs. Temperature

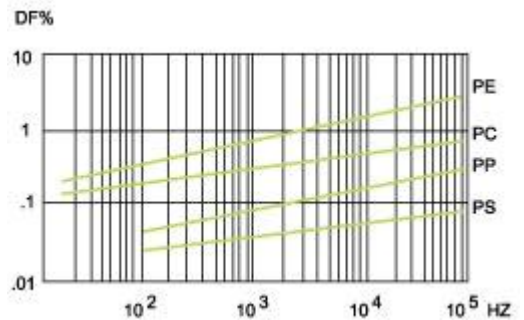


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency