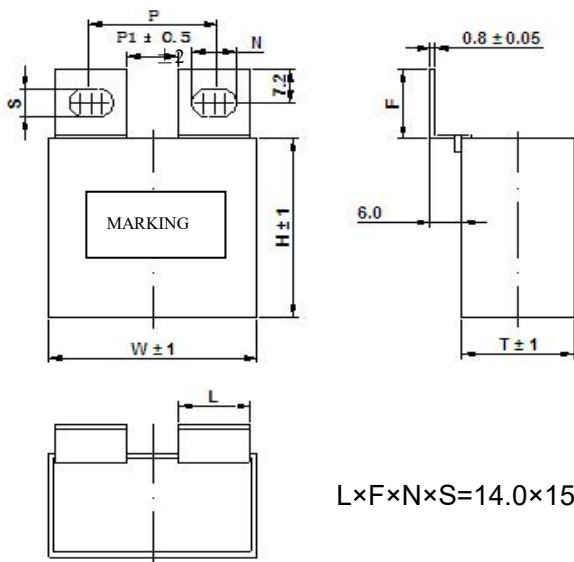




CRC NEW ENERGY

APPROVE SHEET

TO: 缓冲吸收电容 $1\mu\text{F} \pm 5\%$ 1250V

Main Materials		MARKING & OUTLINE DRAWING	
Construct ion	Materials		 MKP- HS 1.0 μF J datecode.1250V.DC www.csdcap.com.
Dielectric	Metallized Polypropylene Film		
Terminal	Tinned copper plate		
Filling	Flame-retardant epoxy resin, white		
Case	Flame-retardant plastic case, grey		

Part No.	TYPE	Dimensions (mm)					NOTE
		W	H	T	P1	P	
HS5030	MKP-HS 1.0 μF J 1250VDC	41.5	41	27.5	10	26	

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	APPROVED BY	CHECKED BY	STAMP	APPROVED BY	PREPARED BY
					李道燕
DATE			DATE	2019-11-03	

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.crccapacitor.com>

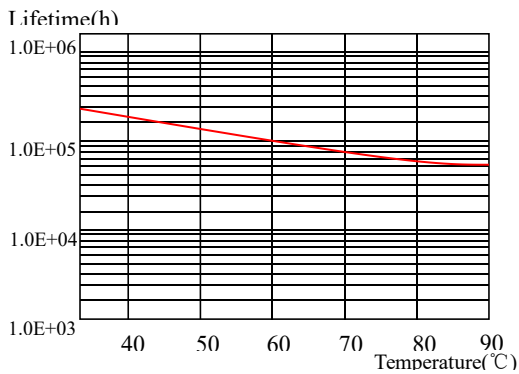
CRC-BDE-08

Technical Data

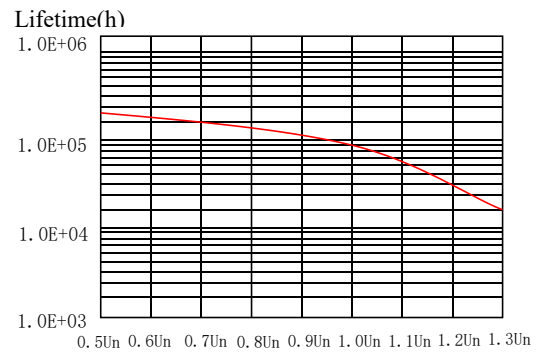
Items	Symbols	Values
Rated capacitance	C_N	$1.0\mu F \pm 5\%$
Rated voltage	U_N	1250V.DC
Non-recurrent surge voltage	U_s	-----
Maximum current	I_{rms}	14A
Maximum peak current	$\hat{I}$	800A
Maximum surge current	I_s	-----
Series resistance	R_s	$\leq 6.0m\Omega$
Tangent of the loss	$\tan \delta$	$\leq 0.0010(10KHz)$
Insulation Resistance	$C \times R_{is}$	$\geq 5000S$
Self inductance	L_e	$\leq 22nH$
Lowest operating temperature	Θ_{min}	-40℃
Maximum operating temperature	Θ_{max}	105℃
Operating humidity	RH	0~95%
Storage temperature	$\Theta_{storage}$	85℃
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		1000m (max)
Terminal tightening torque		4.5Nm (max)
Bottom tightening torque		7Nm (max)
Weight		kg

ELECTRICAL CHARACTERISTICS OF FILM CAPACITOR

1. Lifetime Expectancy

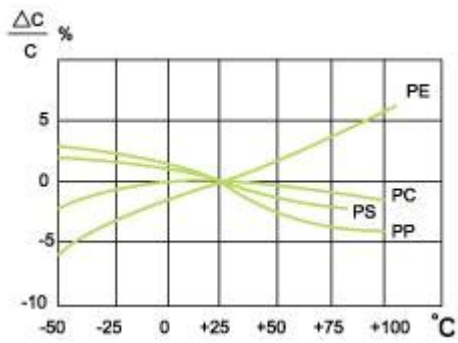


Lifetime expectancy vs. Charging temperature

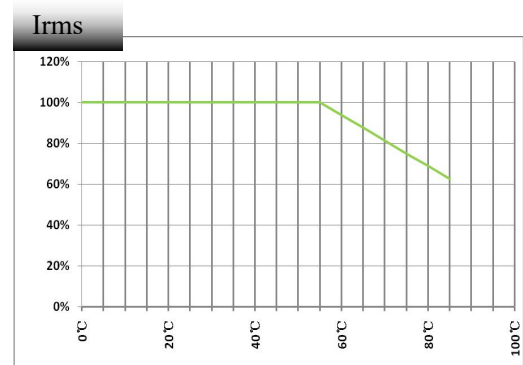


Lifetime expectancy vs. Charging voltage

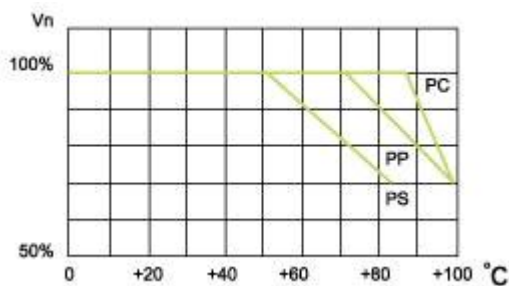
2. Temperature Characteristics



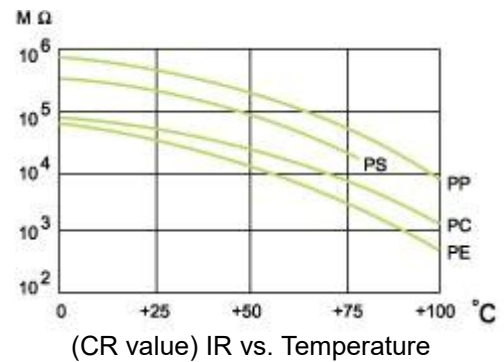
Capacitance change rate vs. Temperature



Operating current vs. Temperature

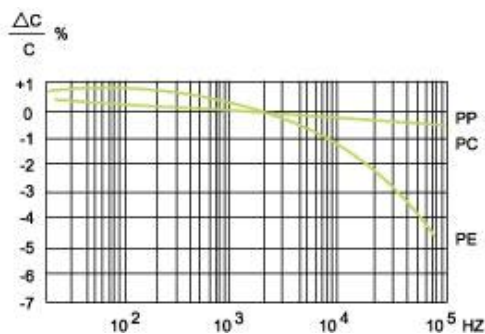


Operating voltage vs. Temperature

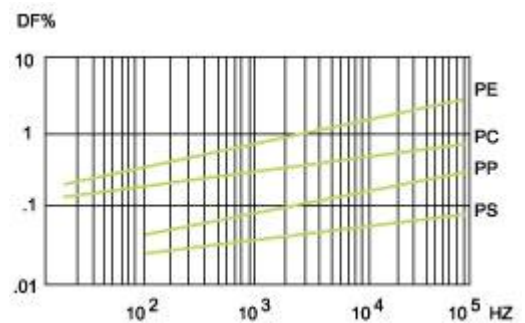


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency