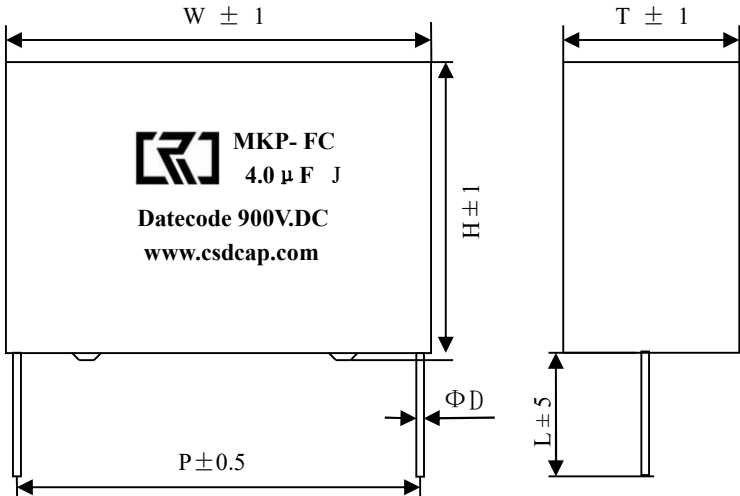


APPROVAL SHEET

TO: 直流支撑电容 $4\mu\text{F} \pm 5\%$ 900V

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

TYPE	specs	Dimensions (mm)							NOTE
		W	H	T	P	L		ΦD	
FC5036	MKP-FC $4\mu\text{F}$ J 900V.DC	32	25	14	27.5	15		0.8	

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	APPROVED BY	CHECKED BY	STAMP	APPROVED BY	PREPARED BY
				李豪	李爱
DATE			DATE	2021-09-09	

SHENZHEN CRC NEW ENERGY CO., LTD

Room 818, Building 2, Zhongcheng Future Industrial Park,

Hangcheng Zhigu, Bao'an District, Shenzhen, China

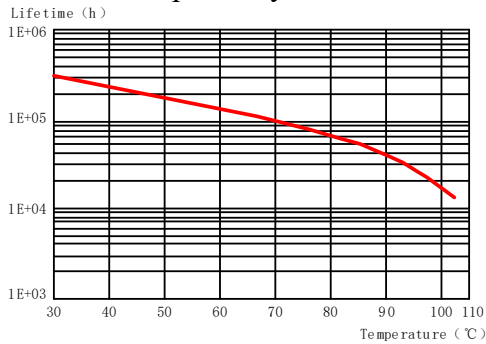
TEL: +86 - 0755 - 29948883 / 29948998 FAX: +86 - 0755 - 29948906 <http://www.csdcap.com>

CRC-BDE-09

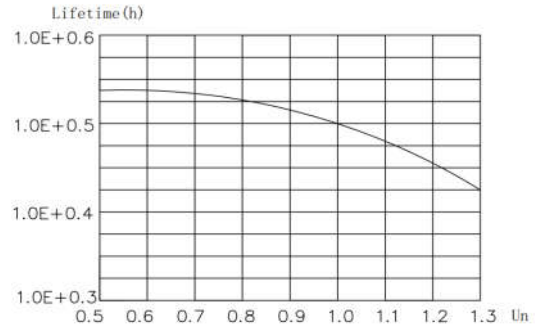
Items	Symbols	Values
Rated capacitance	C_N	$4.0\mu F \pm 5\%$
Rated voltage	U_N	900V.DC
Non-recurrent surge voltage	U_s	1450V.DC
Maximum current	I_{rms}	6A
Maximum peak current	$\hat{I}$	400A
Maximum surge current	I_s	1200A
Series resistance	R_s	$\leq 23m\Omega$
Tangent of the loss	$\tan \delta$	≤ 0.0015 (1kHz)
Insulation Resistance	$C \times R_{is}$	$\geq 5000s$
Self inductance	L_e	$\leq 30nH$
Lowest operating temperature	Θ_{min}	$-40^\circ C$
Maximum operating temperature	Θ_{max}	$105^\circ C$
operating humidity	RH	0~95%
Storage temperature range	$\Theta_{storage}$	$-40^\circ C \sim 105^\circ C$
Service life		100000h
At $\Theta_{hotspot}$		$\leq 85^\circ C$
Failure quota		$< 100Fit$
Test data		
Voltage test between terminals	V_{t-t}	1350V.DC/10s
A.C. voltage test between terminals and case	V_{t-c}	—
Operating altitude		2000m (max)
Terminal tightening torque		—
Bottom tightening torque		—
Weight		—

Electrical Characteristics of Film Capacitor

1. Lifetime Expectancy

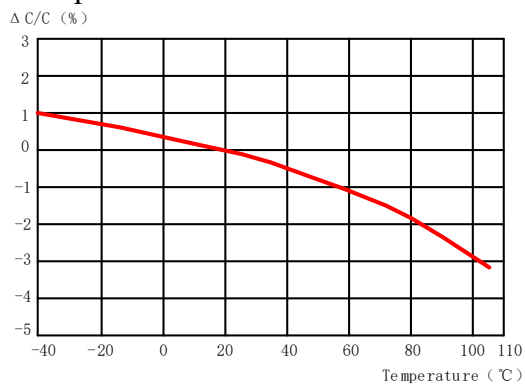


Lifetime expectancy vs. Charging temperature

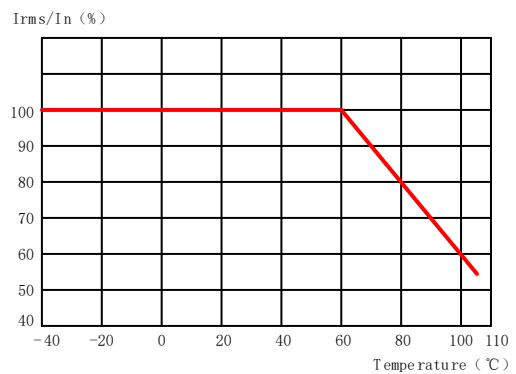


Lifetime expectancy vs. Charging voltage

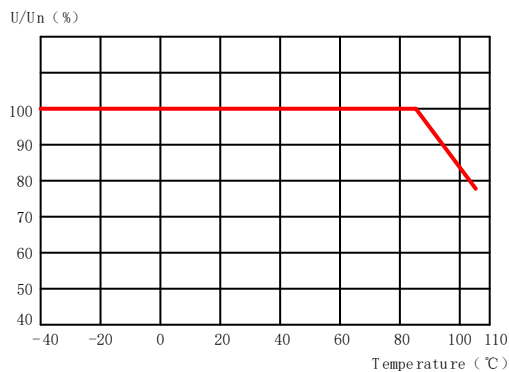
2. Temperature Characteristics



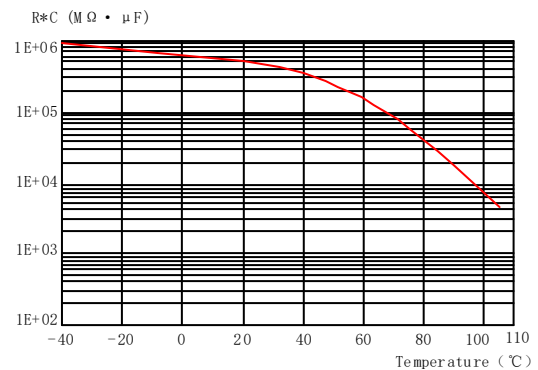
Capacitance change rate vs. Temperature



Operating current vs. Temperature

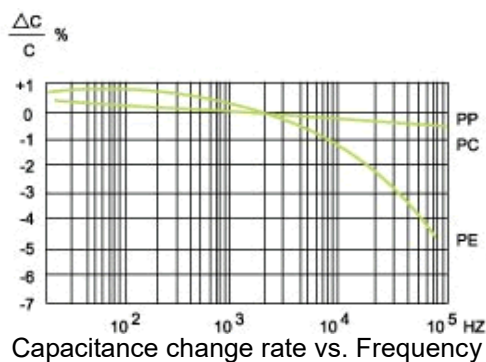


Operating voltage vs. Temperature

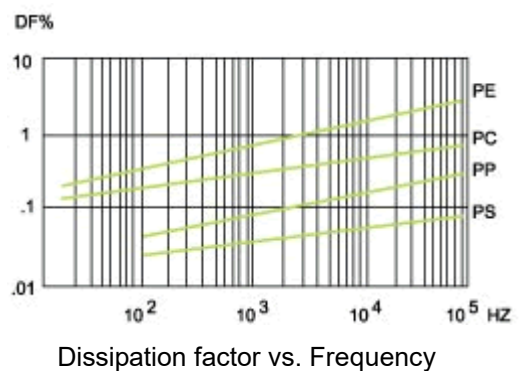


Insulation Resistance vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency