

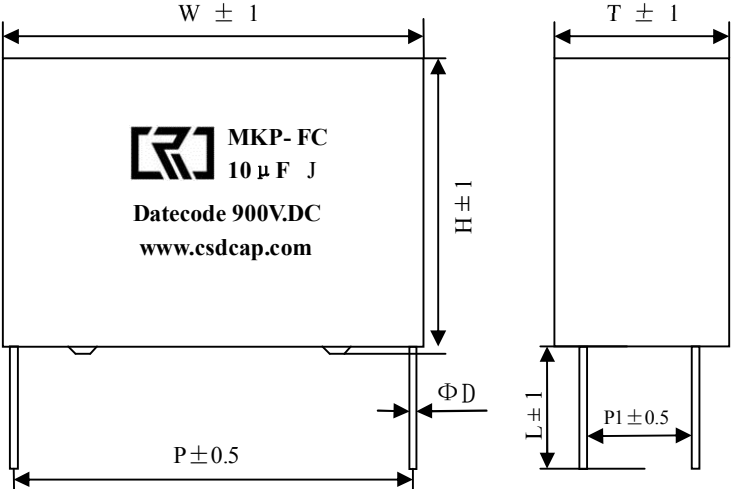


CRC NEW ENERGY

APPROVAL SHEET

TO: _____

直流支撑电容 10uF ± 5% 900V

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

Part No.	TYPE	Dimensions (mm)								NOTE
		W	H	T	P	P1	L	ΦD		
FC6108	MKP-FC 10μF J 900V.DC	32	37	22	27.5	12.7	6	0.8		

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	APPROVED BY	CHECKED BY	STAMP	APPROVED BY	PREPARED BY
				袁邦强	田星月
DATE			DATE	2019-09-21	

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.csdcap.com>

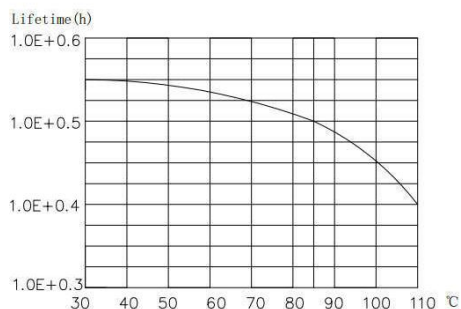
CRC-BDE-09

Technical Data

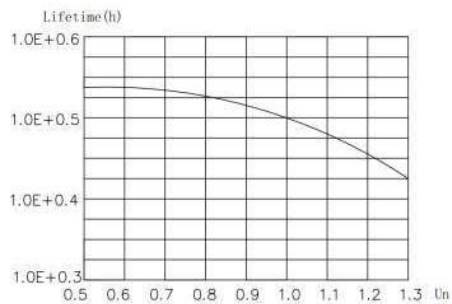
Items		Symbols	Values
Rated capacitance		C _N	10μF±5%
Rated voltage		U _N	900V.DC
Non-recurrent surge voltage		U _s	1350V.DC
Maximum current		I _{rms}	16A
Maximum peak current		î	700A
Maximum surge current		I _S	2100A
Series resistance		R _S	≤9.5m Ω
Tangent of the loss		tan δ	≤0.0015 (1kHz)
Insulation Resistance		C×R _{is}	≥5000s
Self inductance		L _e	≤28nH
Lowest operating temperature		Θmin	-40℃
Maximum operating temperature		Θmax	105℃
operating humidity		RH	0~95%
Storage temperature range		Θstorage	105℃
Service life			100000h
Failure quota			<100Fit
Test data			
Voltage test between terminals		Vt-t	1350V.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			2000m（max）
Terminal tightening torque			—
Bottom tightening torque			—
Weight			—

ELECTRICAL CHARACTERISTICS OF FILM CAPACITOR

1. Lifetime Expectancy

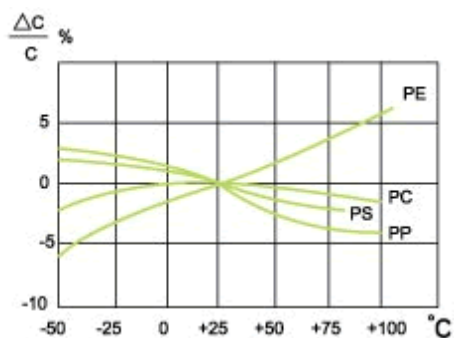


Lifetime expectancy vs. Charging temperature



Lifetime expectancy vs. Charging voltage

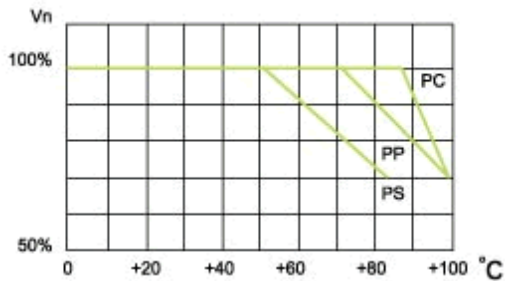
2. Temperature Characteristics



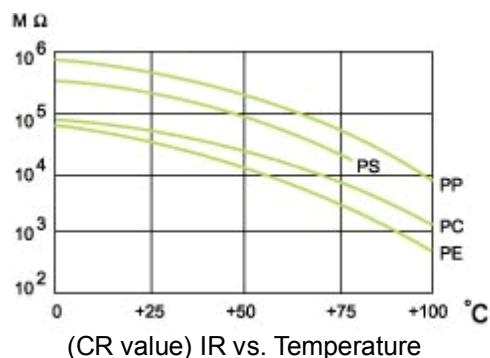
Capacitance change rate vs. Temperature



Operating current vs. Temperature

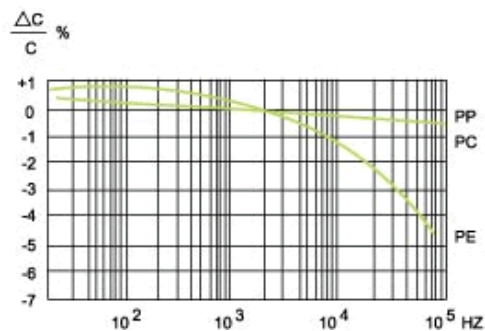


Operating voltage vs. Temperature

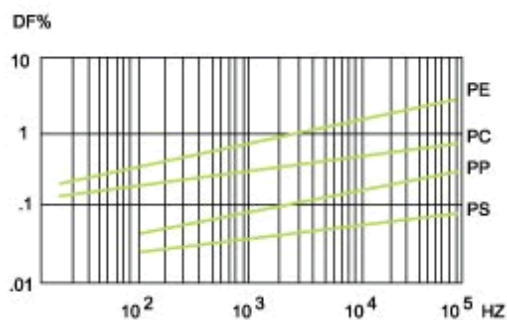


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency