



创 容 新 能 源

APPROVE SHEET

承认书

TO: 缓冲吸收薄膜电容 1.2uF ± 10% 1000V

Main Materials		Mark & Outline	
ITEMS	NAME		
Film	Metalized Polypropylene film		
Electrode	silvered copper terminal		
Epoxy	Flame-retardant Epoxy-White		
Case	Flame-retardant plastic case-Grey	L×F×N×S=14.0×15.0×8.3×6.2	

Part No.	TYPE	Dimensions (mm)					NOTE
		W	H	T	P1	P	
HS5044	MKP-HS 1.2μFK 1000VDC	42.5	27.5	24.5	8	22	

CUSTOMER CONFIRM			CSD OFFER		
APPROVED BY	CHECKED BY	STAMP	APPROVED BY	STAMP	MADE BY
				纪洪雨	李道燕
DATE			DATE	2019-09-07	

深圳市创硕达电子有限公司

深圳市创容新能源有限公司

SHENZHEN CREATE START INDUSTRIAL LIMITED

深圳市光明新区光明街道红坳恒泰裕高新技术工业园 5 栋右侧 3-4 楼

TEL: 0755-29948883 29948998 FAX: 0755-29948906 [http://:www.csdcap.com](http://www.csdcap.com)

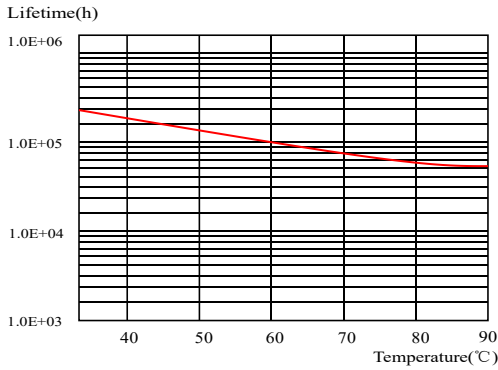
CSD-BDE-08

Technical data

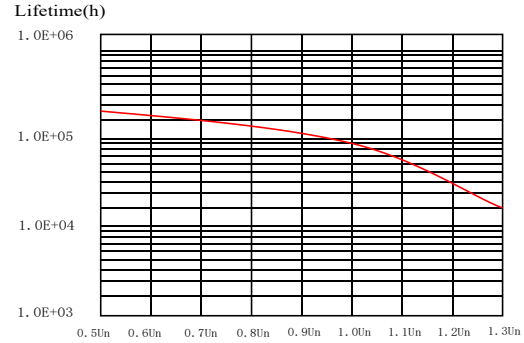
Rated capacitance	C_N	$1.2\mu\text{F} \pm 10\%$
Rated voltage	U_N	1000V.DC
Maximum current	I_{rms}	15A
Maximum peak current	\hat{I}	800A
Maximum surge current	I_S	-----
Series resistance	R_S	$\leq 6\text{m}\Omega$
Tangent of the loss	$\tan \delta$	$\leq 0.0010(1.0\text{KHZ})$
Insulation Resistance	$C \times R_{is}$	$\geq 5000\text{S}$
Self inductance	L_e	$\leq 24\text{nH}$
Lowest operating temperature	Θ_{min}	-40°C
Storage temperature	$\Theta_{storage}$	85°C
Operating humidity	RH	0~95%
Maximum operating temperature	Θ_{max}	85°C
Service life		100000h
Failure quota		100Fit
Test data		
Voltage test between terminals	V_{tt}	1500V.DC/10S
A.C.voltage test terminal/container	V_{t-c}	3000V.AC/10S
Operating altitude		2000m (max)
Terminal tightening torque		4.5Nm (max)
Bottom tightening torque		7Nm (max)
Weight		kg

Electrical Characteristics of Film Capacitor

1. Lifetime Expectancy

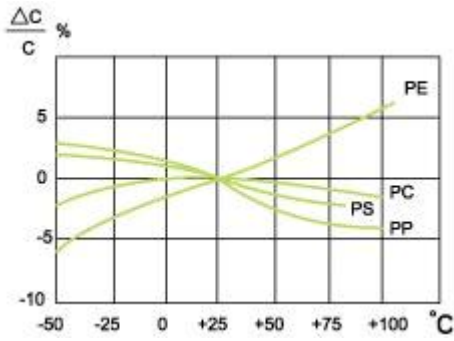


Life time Expectancy of charge temperature

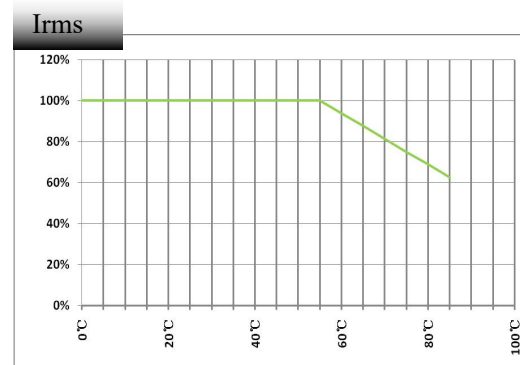


Life time Expectancy of charge voltage

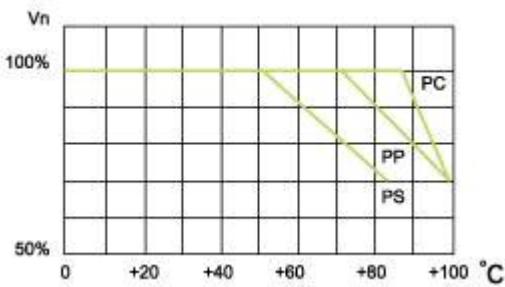
2. Temperature Characteristics



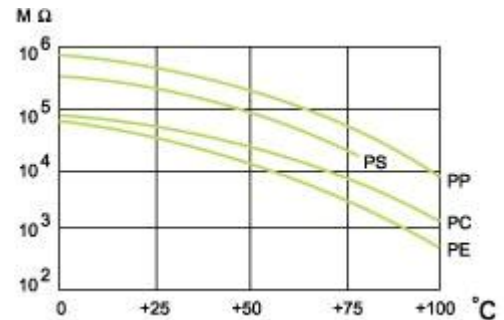
Capacitance vs. Temperature



Operation current vs. Temperature

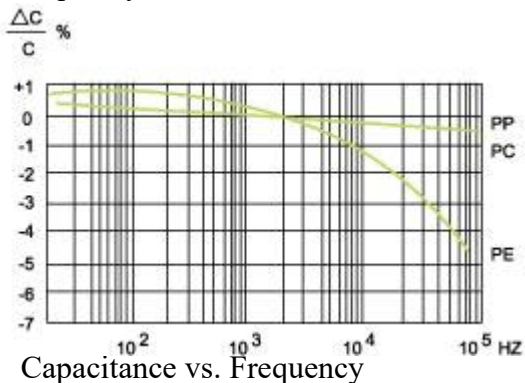


Operation voltage vs. Temperature

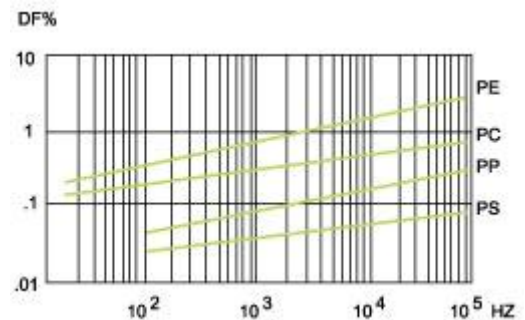


(CR value) IR vs. Temperature

3. Frequency Characteristics



Capacitance vs. Frequency



Dissipation Factor vs. Frequency