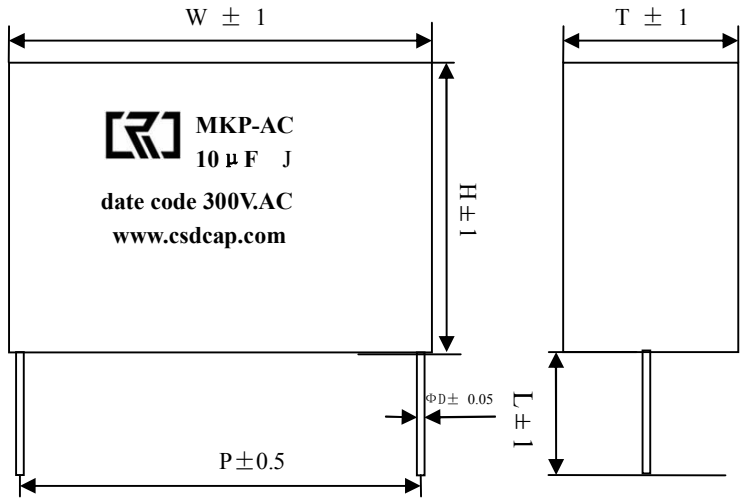
CRC NEW ENERGY

APPROVAL SHEET

TO: 交流滤波薄膜电容 10uF±5% 300VAC

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

C.N	TYPE	Dimensions（mm）						NOTE
		W	H	T	P	L	ΦD	
AC6045	MKP-AC10μFJ300V.AC	41.5	38	25	37.5	4	1.2	

CUSTOMER CONFIRMATION			CRC OFFER		
STAMP	APPROVED BY	CHECKED BY	STAMP	APPROVED BY	PREPARED BY
					李爱
DATE			DATE	2020-10-30	

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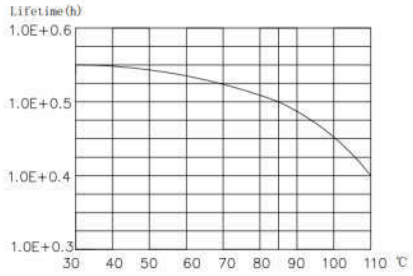
Technical Data

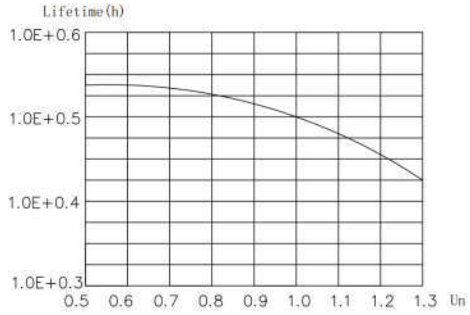
Items	Symbols	Values
Rated capacitance	C_N	10μF±5%　1KHz/25℃
Rated voltage	U_N	300V.AC
Non-recurrent surge voltage	U_s	650V.AC
Maximum current	Irms	8A
Maximum peak current	Î	100A
Maximum surge current	I_S	300A
Series resistance	R_S	≤9mΩ　1KHz/25℃
Tangent of the loss	tan δ	≤0.0015　1KHz/25℃
Insulation Resistance	$C \times R_{is}$	≥5000S　100V.DC/60s/25℃
Self inductance	L_e	＜40nH
Lowest operating temperature	Θmin	-40℃
Maximum operating temperature	Θmax	105℃
Operating humidity	RH	0~95%
Storage temperature	Θstorage	-40℃~105℃
Service life		100000h
Failure quota		＜100Fit
Test data		
Voltage test between terminals	Vtt	850V.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） 3000m：0.85Un
Terminal tightening torque		_
Bottom tightening torque		_
Weight		kg

Electrical Characteristics of Film Capacitor

1. Lifetime Expectancy

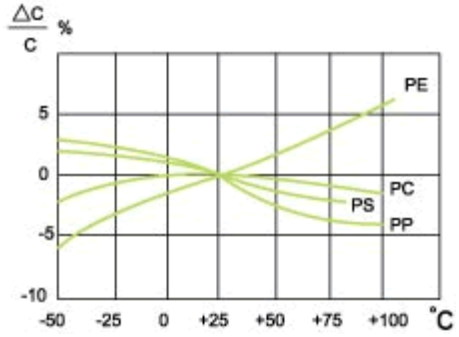


Lifetime expectancy vs. Charging temperature

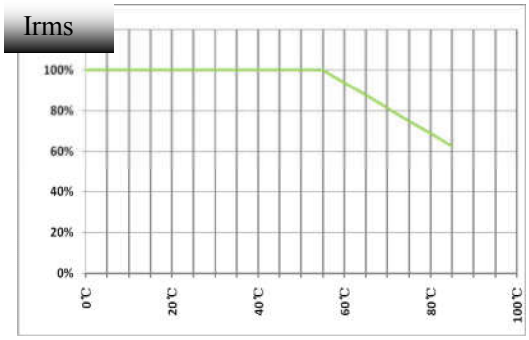


Lifetime expectancy vs. Charging voltage

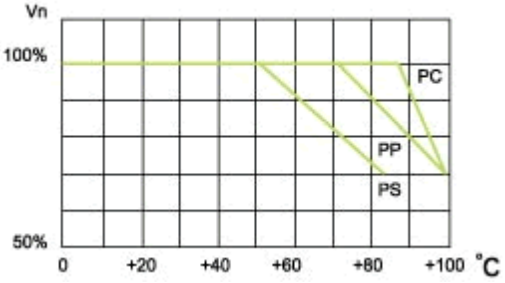
2. Temperature Characteristics



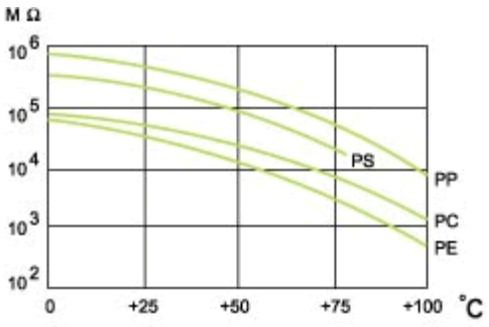
Capacitance change rate vs. Temperature



Operating current vs. Temperature

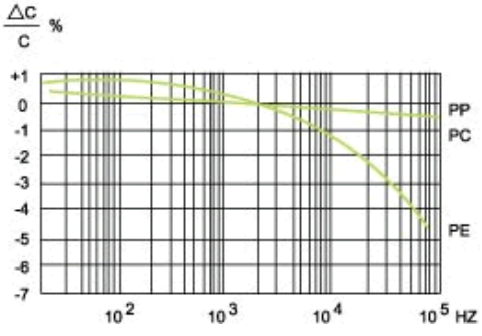


Operating voltage vs. Temperature

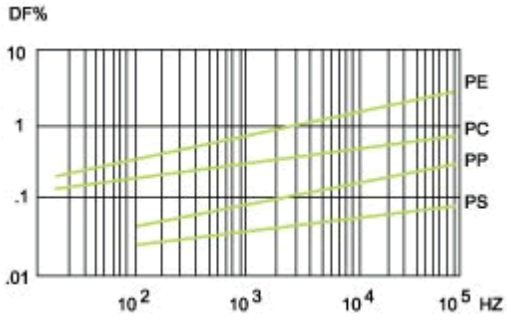


(CR value) IR vs. Temperature

3. **Frequency Characteristics**



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency