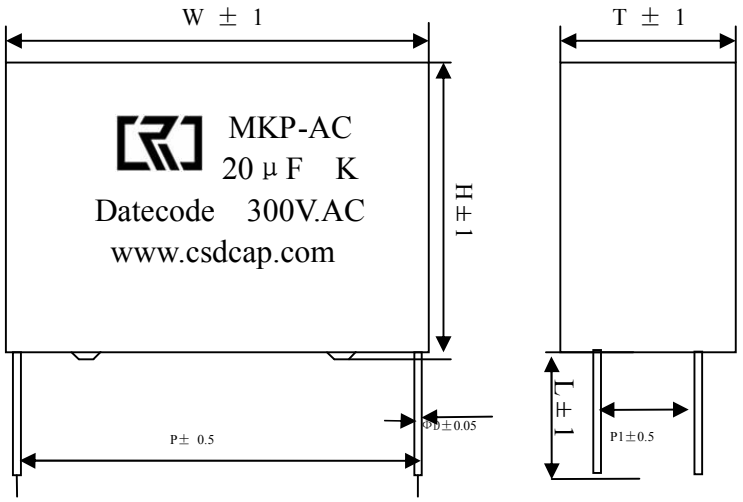
CRC NEW ENERGY

APPROVAL SHEE

TO: 交流滤波薄膜电容 20uF±10% 300VAC

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

MARKING & OUTLINE DRAWING



Part No.	TYPE	Dimensions（mm）							NOTE
		W	H	T	P	P1	ΦD	L	
AC6029	MKP-AC 20 μ F K 300V.AC	57.5	45	30	52.5	20.3	1.2	6	

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

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

Technical Data

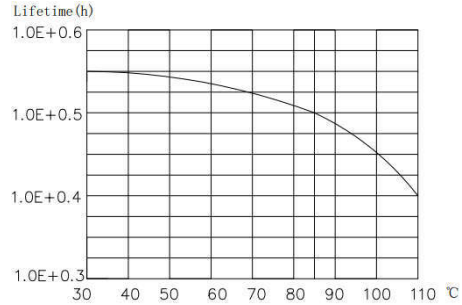
Items	Symbols	Values
Rated capacitance	C_N	20μF±10%　1KHz/25℃
Rated voltage	U_N	300V.AC
Non-recurrent surge voltage	U_s	600V.AC
Maximum current	Irms	18A
Maximum peak current	Î	200A
Maximum surge current	I_S	600A
Series resistance	R_S	≤5.4mΩ　1KHz/25℃
Tangent of the loss	tan δ	≤0.0015　1KHz/25℃
Insulation 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 range	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)

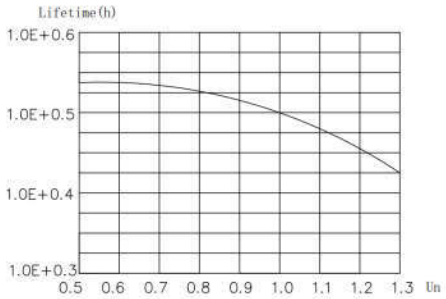
Operating altitude		2000m（max） 3000:0.85uN
Terminal tightening torque		_
Bottom tightening torque		_
Weight		_

Electrical Characteristics of Film Capacitor

1. Lifetime Expectancy

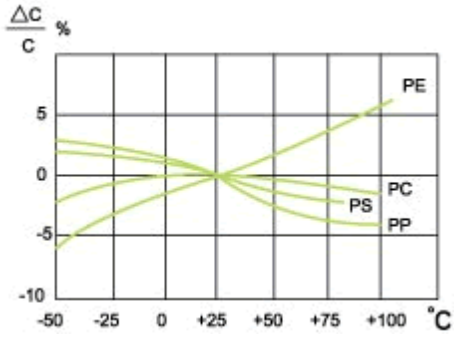


Lifetime expectancy vs. Charging temperature

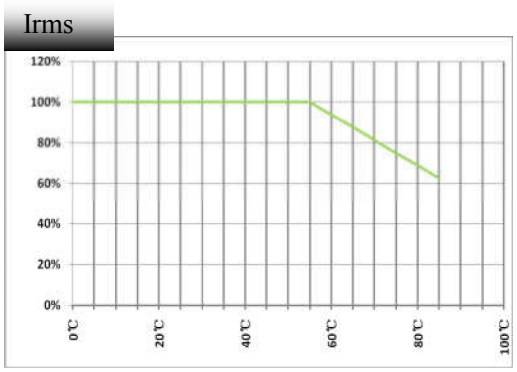


Lifetime expectancy vs. Charging voltage

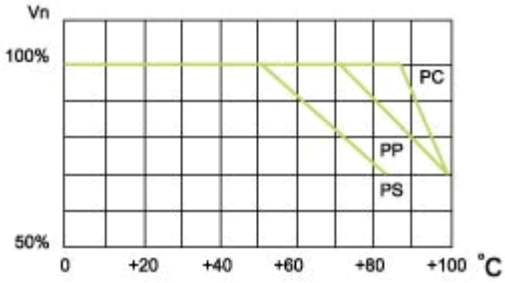
2. Temperature Characteristics



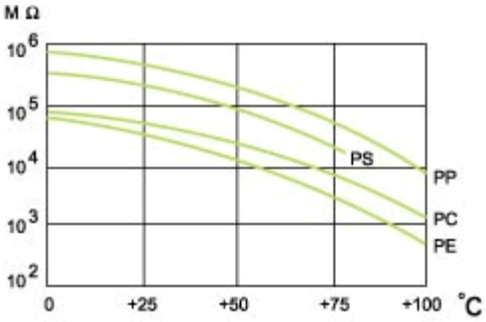
Capacitance change rate vs. Temperature



Operating current vs. Temperature

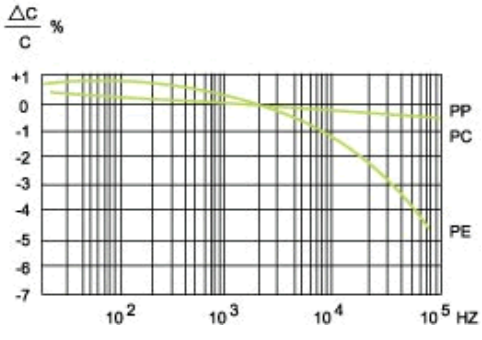


Operating voltage vs. Temperature

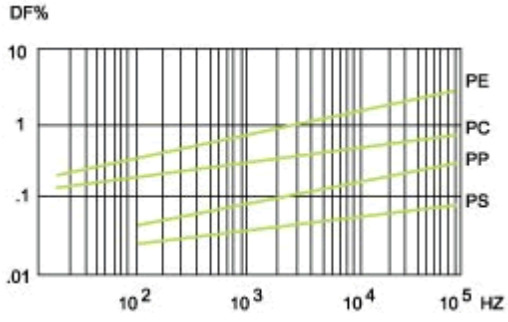


(CR value) IR vs. Temperature

3. **Frequency Characteristics**



Capacitance change rate vs. Frequency



Dissipation factor vs. Frequency