



愛得電子股份有限公司

大功率散熱電容規格書

成品號:CCC-300-S 系列

版次: 0

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頁次: 1 of 7

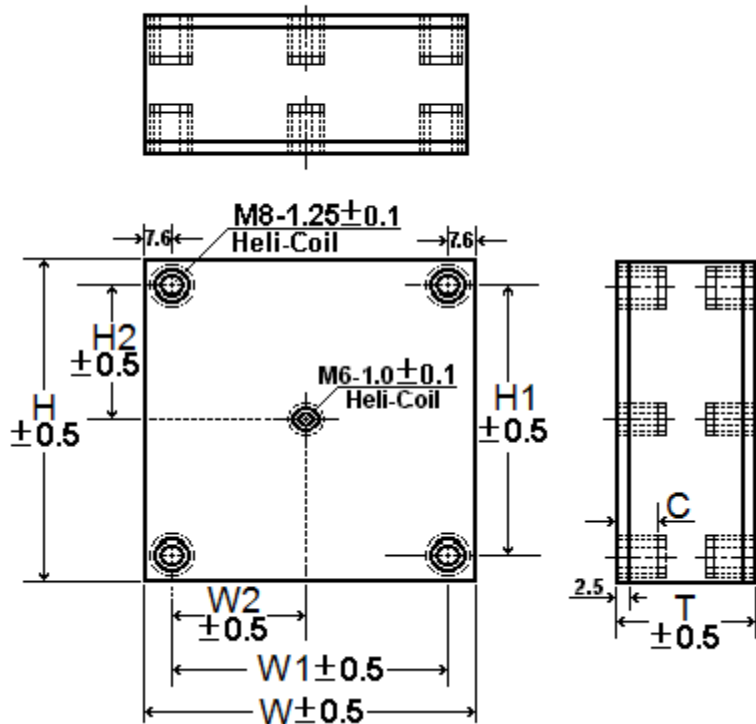
制訂者	版本	制訂日期	修訂說明	
郭秀真	0	2013/01/18	首次發行	
核 准		審 核		制 訂
陳勝傑		蔡坤旺		郭秀真



CONDUCTION COOLED CAPACITOR TYPE : CCC-300-S

TYPE : CCC300

Unit:mm



TYPE	Unit	CCC 300-S						
CAPACITANCE	μF	0.1、0.2	0.33~0.7	1.0~1.8	2.5	5.0	10.0	20.0
Max. Voltage	Vrms	700	700	600	500	400	350	350
MaX. Current	Arms	350	450	550	650	750	400	400
Peak Voltage	V	1500	1000	900	710	580	710	570
Max. Power	KVar	300					250	250
Frequency limit	Khz	1000					700	700

AID ELECTRONICS CORPORATION

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AID ELECTRONICS CORPORATION



1.Part Name : Polypropylene Film + Aluminium Foil Capacitor.

2.Type : CCC 300-S (epoxy)

3.Working Voltage : 1000VDC、1600VDC、2000 VDC

4.Capacitance Range : 0.1uF~20uF

5.Capacitance Range Tolerance : K($\pm 10\%$)

6.Temperature Range : - 40°C-- +85°C

7.Characteristics

ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
1.	Dielectric Strength (Between Terminals)	No damage	R.V. $\times 125\%$ VDC For 2 Sec 25°C
	Test voltage between terminals and case (Utc)		5kV 1Khz applied for 60s at 25 $\pm 5^\circ$ C
2.	Insulation Resistance (Between Terminals)	Insulation resistance (IR) $\geq 3000s$ but need not exceed 30G Ω (typical value), when measured	Measured at 100VDC after 1 minute. between terminals, at 25 \pm °C.
3.	Capacitance	Within the specification	Measured with frequency 100Khz and AC voltage less than 6V.
4.	Dissipation factor	$\tan \delta < 1.2\%$	
5.	Tensile strength of terminations	No damage	
7.	Cold	Capacitance change within + 2 -0% of 25°C	At - 40°C no Voltage applied
8.	Heat	Capacitance change within $\pm 2\%$ of 25°C	At + 85°C no Voltage applied



ARTICLE	APPLICATION ITEM	CHARACTERSTICS	TEST METHOD
9.	Humidity life test	Appearance : No damage Dielectric strenght : No damage IR : over 30,000MOHM×uF cap. change within $\leq \pm 5\%$ of initial reading	Temp . and hunidity 40°C 90 - 95% R.H.add W.V. for 5000H then keep 16H under room temp.
10.	Heat life test	Appearance : no damage IR : > 50% of Specified Value cap. change : $\leq 3\%$ of initial value $\tan\delta < 1.2\%$	Add 125% of W.V. 85°C in chamber for 3,0000H then keep under standard condition 2H.
11.	Sort test	Appearang : No damage Dielectrc strenght : No damge Capacitance : wthin the specification D.F : wthin the spcification	Vms×√2VDC For 3~5 Times discharge.
12	Epoxy resin filled	Epoxy resin can not to overflow the bottom of plastic case.	By vernier measurement

8. MARKING

- a. w.v.
- b. Capacitance
- c. Capacitance tolerance
- d. Trading mark

9. Terminal configuration & Dimension

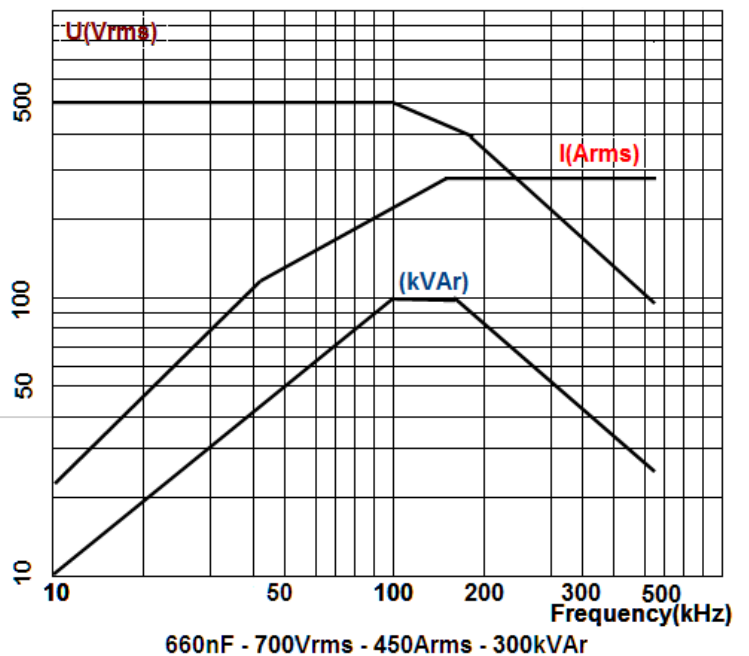
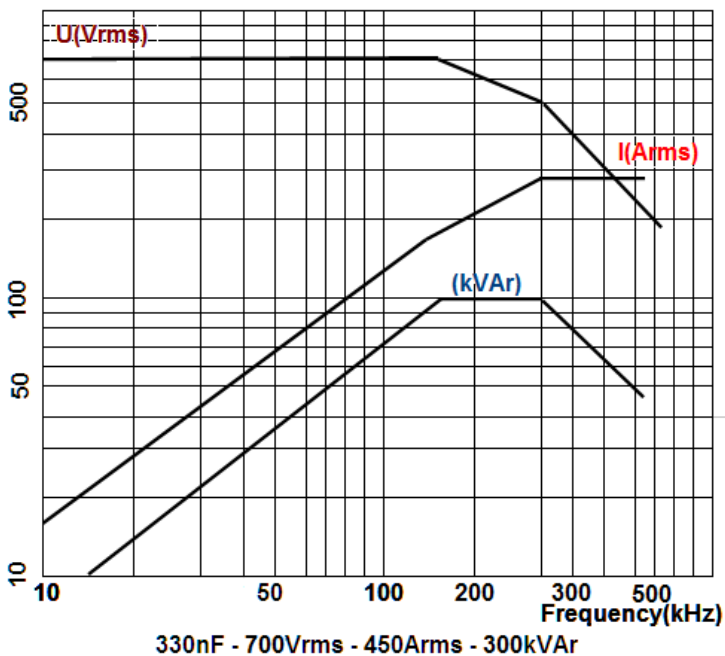
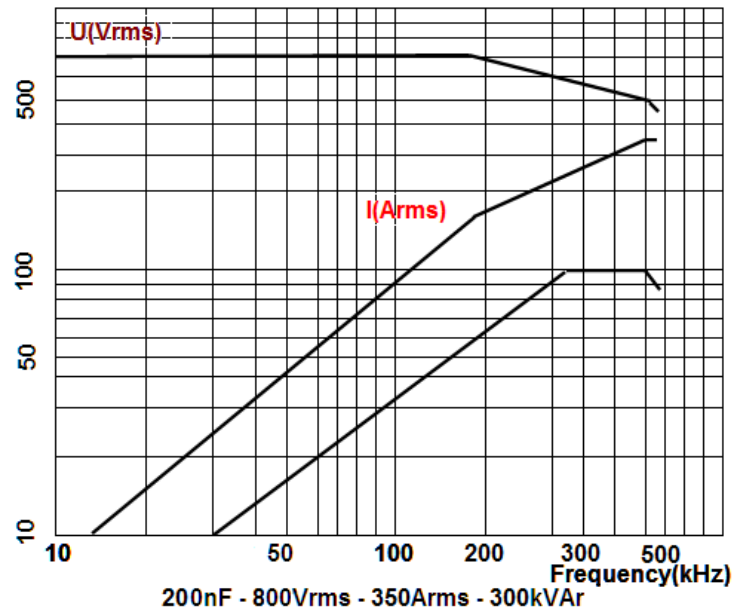
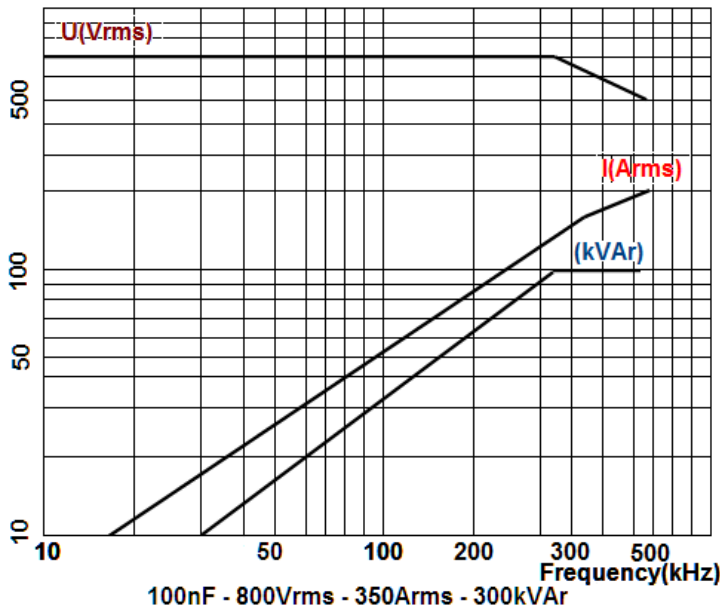
PART NO.	VOLTAGE	CAPACITANCE		DIMENSION(Tolerance± 1.0mm)							
		SYMBOL	MF	W	W1	W2	T	H	H1	H2	C
CCC104K3D00	2000	104	0.1	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC204K3D00	2000	204	0.2	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC334K3D00	2000	334	0.33	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC664K3D00	2000	664	0.66	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC105K3C00	1600	105	1.0	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC125K3C00	1600	125	1.2	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC135K3C00	1600	135	1.3	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0

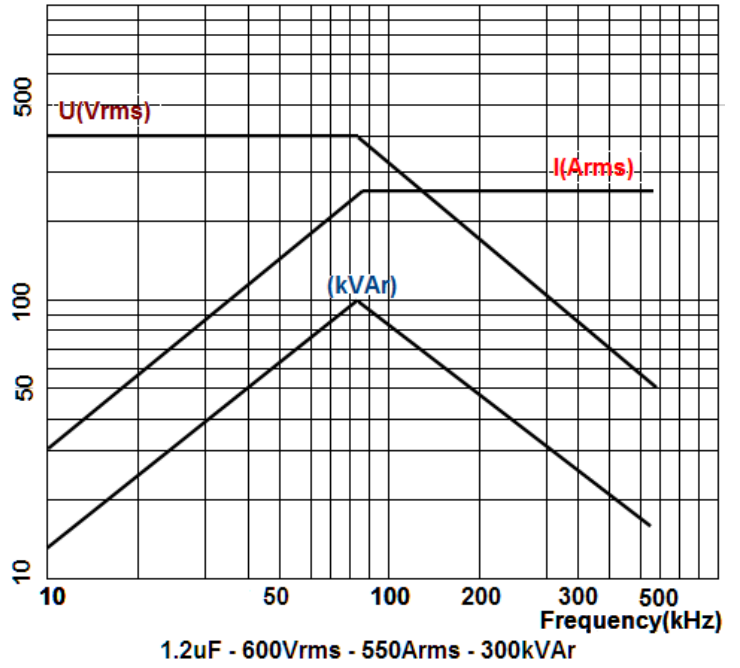
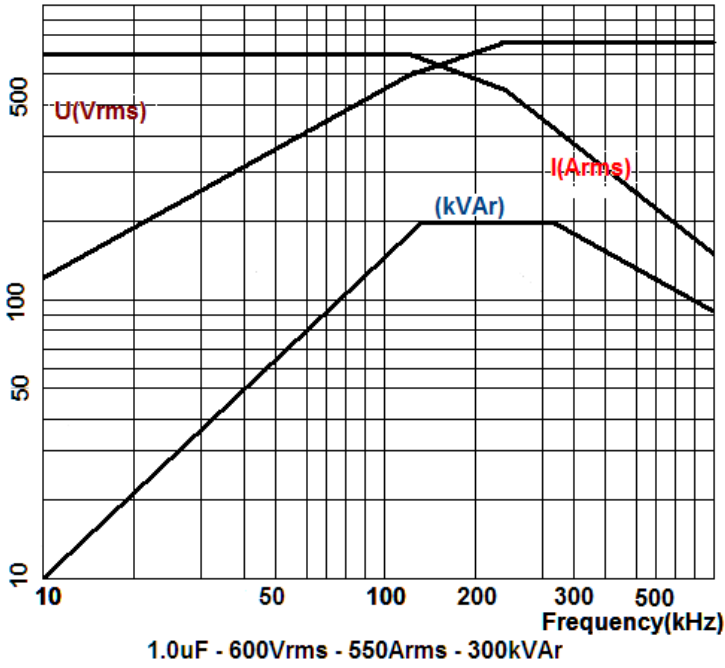


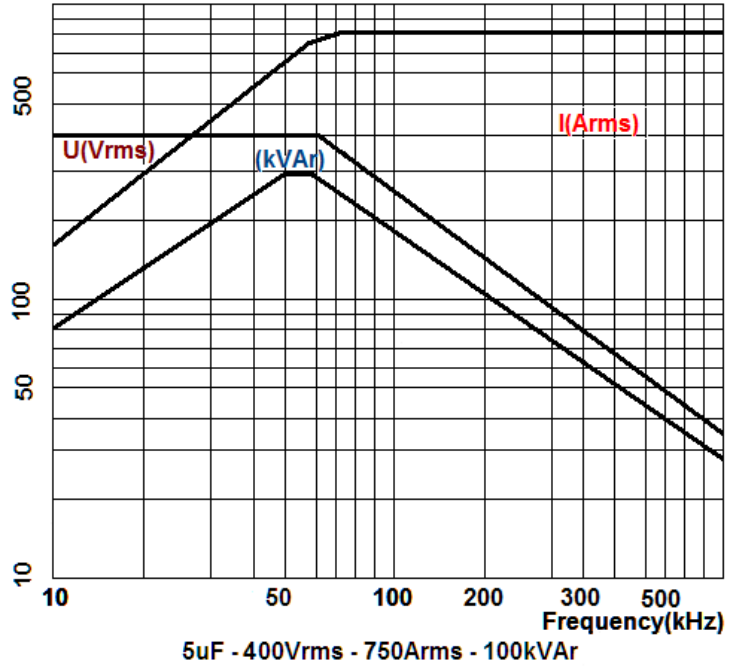
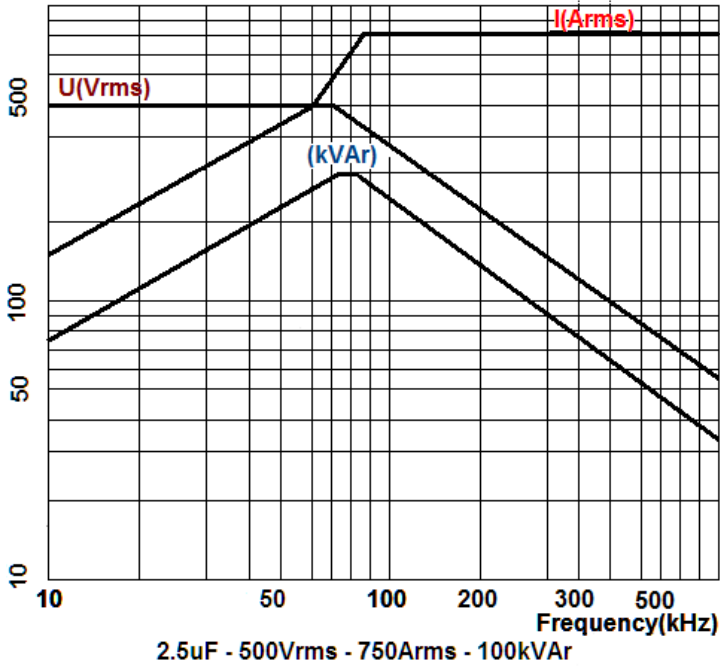
CCC185K3C00	1600	185	1.8	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC255K3C00	1600	255	2.5	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC305K3C00	1600	305	3.0	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC475K3C00	1600	475	4.7	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC505K3C00	1600	505	5.0	80.0	62.0	31.0	36.0	80.0	62.0	31.0	10.0
CCC106K3A00	1000	106	10.0	80.0	63.0	31.0	41.0	80.0	63.0	31.0	10.0
CCC206K3A00	1000	206	20.0	80.0	63.0	31.0	58.0	80.0	63.0	31.0	10.0

CCC-300-S

Conduction-Cooled Capacitor







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QMF22.E154421

Plastics - Component

Additional information regarding this certification can be found in UL's iQ Family of Databases www.ul.com/iq.

NEW -- for additional information concerning the individual material, click on the material designation.

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Plastics - Component

[See General Information for Plastics - Component](#)

KO HO CHEMICAL CO LTD

E154421

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 TAI CHUNG, 438 TAIWAN

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		Min.		H	H	R T I		V	4	C	
		Thk	Flame	W	A	Elec	Mech		T	9	T
Material Dsg	Color	mm	Class	I	I		Imp	Str	R	5	I
Epoxy Potting Compound (EP - Potting), "Epoxy Resin", furnished as two liquid components.											
9824(#) A/B	ALL	0.78	V-0	-	-	90	90	90			

(#) - May be replaced with two alphanumeric characters designating color.

Marking: Company name and material designation on container, wrapper or finished part.

[Last Updated](#) on 2008-08-26