

DAWNCAP DCD Series High -Current (High Frequency Resonance)

Main applications :

Resonant circuits, Coupling
for induction heatings and welder

DESIGN

GENERAL CHARACTERISTICS

Withstand heavy current

Low losses

High contact reliability

Self-Healing

GENERAL TECHNICAL CHARACTERISTICS

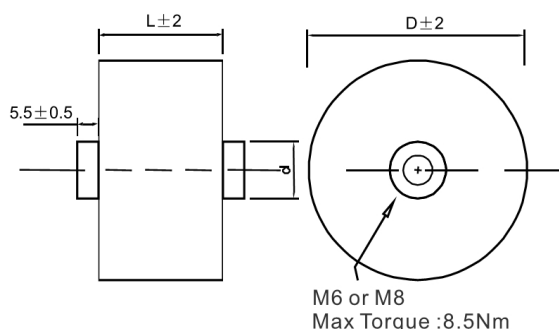
Reference standards : IEC 61071 60068 60384

Dielectric : Polypropylene film

Construction : Dry construction, filled by solid resin,

Non-inductive type

Case : Polyester tape wrapping, UL94V0



ELECTRICAL CHARACTERISTICS

Working temperature : -40 to + 85 °C

Capacitance : 0.5 to 12µF

Irms (Max.) : 96A

Tolerance : ± 5%, ± 10%

TEST METHODS AND PERFORMANCES

Test voltage between terminals : 1.5xUn for 10s at 25 °C

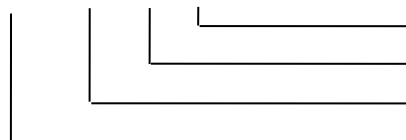
Test voltage terminal to case : 3 KV 50Hz for 2sec

Electrical specifications, ordering codes

Part Number	Capacitance (µF)	Voltage (V.ac)	D (mm)	L (mm)	Output	du/dt (v/µs)	Irms max. (A)	ESR (mΩ)	Rth (k/W)
Un 700Vac Ur 2000VDC Upeak 2500Vdc									
DCD-700-0.50	0.50	700	43	37	M6	1190	36	1.3	11.7
DCD-700-1.0	1.0	700	56	40	M6	1190	50	1.1	7.5
DCD-700-1.5	1.5	700	68	40	M8	1190	64	0.9	5.5
DCD-700-2.0	2.0	700	78	40	M8	1190	77	0.8	4.4
DCD-700-2.5	2.5	700	87	40	M8	1190	87	0.7	3.6
DCD-700-6.0	6.0	700	87	64	M8	840	94	0.9	2.7
Un 500Vac Ur 1200VDC Upeak 1600Vdc									
DCD-500-1.0	1.0	500	44	37	M6	660	40	1.1	11.4
DCD-500-2.0	2.0	500	51	40	M6	570	49	1.0	8.6
DCD-500-3.0	3.0	500	62	40	M6	570	62	0.8	6.4
DCD-500-4.0	4.0	500	71	40	M8	570	73	0.7	5.1
DCD-500-5.0	5.0	500	79	40	M8	570	82	0.7	4.3
DCD-500-6.0	6.0	500	86	40	M8	570	91	0.7	3.7
DCD-500-10	10	500	86	50	M8	470	95	0.7	3.2
Un 400Vac Ur 1000VDC Upeak 1400Vdc									
DCD-400-1.5	1.5	400	45	37	M6	540	43	1.0	11.0
DCD-400-3.0	3.0	400	56	40	M6	490	57	0.8	7.4
DCD-400-4.0	4.0	400	65	40	M6	490	66	0.8	6.0
DCD-400-6.0	6.0	400	78	40	M8	490	83	0.7	4.3
DCD-400-7.0	7.0	400	84	40	M8	490	90	0.6	3.8
DCD-400-12	12	400	86	50	M8	410	96	0.7	3.2

How to Order:

DCD - 500 - 4.0 - * #



S6 for M6, S8 for M8 , with A for shoe

Length of capacitor

Capacitance

Voltage