

GENERAL TECHNICAL CHARACTERISTICS

Reference standards : IEC 61071-60068
 Dielectric : Polypropylene film
 Construction : Dry construction, filled by solid resin,
 Non-inductive type
 Case : Aluminium case



ELECTRICAL CHARACTERISTICS

Working temperature : -40 to + 85 °C
 Capacitance : 50 to 470µF
 Rated Voltage : 700 to 1100 Vdc
 Tolerance : ± 10%
 Life expectancy : 100,000 hours at Un and 70°C

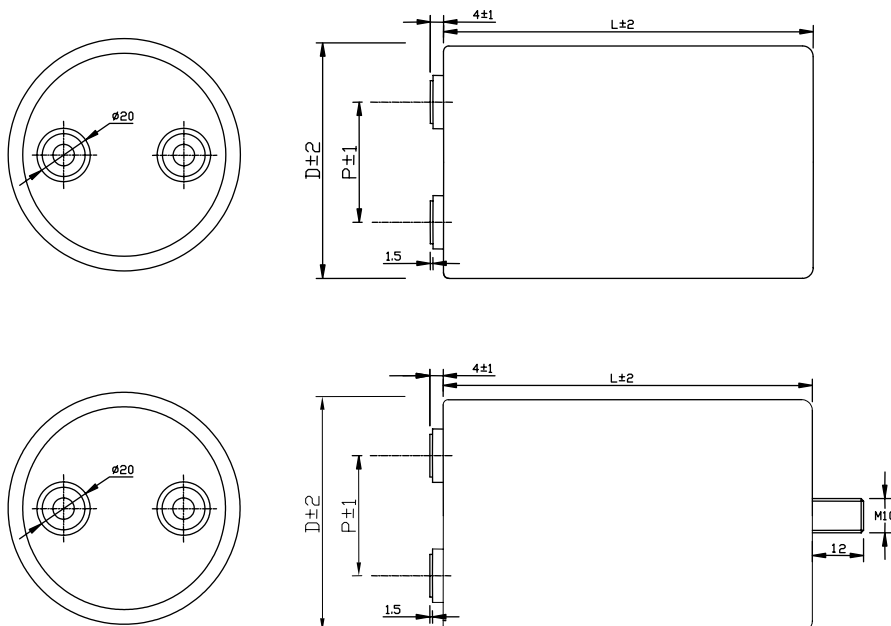
TEST METHODS AND PERFORMANCES

Test voltage between terminals : 1.5xUn for 10s at 25 °C
 Test voltage terminal to case : 3 KV 50Hz for 2sec

DESIGN

Terminals styles : Brass screw terminals
 Aluminium case with or without, Threaded bolt M10

Case	Brass screw terminals		Bolt
	Output	Drive torque (Nm)	Drive torque (Nm)
D≤ 65 mm	M5	4	8
D= 76 mm	M6	4	8
D= 86 mm	M6	4	8



How to order

SHD -700-150 - #

— C for Clamp, S for stud mounting
 — Capacitance
 — Voltage

Electrical specifications, ordering codes

Part Nubmer	Capacitance (μ F)	Diameter (mm)	Height (mm)	P (mm)	Du/dt (V/ μ s)	Irms max. (A)	ESR (m Ω)
Vn dc 700V							
SHD-700-105	105	55	95	22	14	25	4.7
SHD-700-125	125	60	95	28.6	14	30	4.1
SHD-700-150	150	55	120	22	11	25	5.5
SHD-700-155	155	65	95	28.6	14	35	3.5
SHD-700-180	180	60	120	28.6	11	30	4.7
SHD-700-180	180	55	140	22	9	25	6.3
SHD-700-220	220	65	120	28.6	11	35	4.0
SHD-700-220	220	60	140	28.6	9	30	5.3
SHD-700-250	250	65	140	28.6	9	30	4.8
SHD-700-300	300	76	120	32	11	50	3.2
SHD-700-350	350	76	140	32	9	45	3.7
SHD-700-390	390	86	120	35	11	65	2.7
SHD-700-470	470	86	140	35	9	65	3.0
Vn dc 900V							
SHD-900-75	75	55	95	22	19	25	5.3
SHD-900-90	90	60	95	28.6	19	30	4.6
SHD-900-105	105	55	120	22	14	25	6.3
SHD-900-110	110	65	95	28.6	19	35	3.9
SHD-900-125	125	60	120	28.6	14	30	5.5
SHD-900-125	125	55	140	22	12	25	7.3
SHD-900-150	150	65	120	28.6	14	35	4.7
SHD-900-150	150	60	140	28.6	12	30	6.3
SHD-900-180	180	65	140	28.6	12	30	5.4
SHD-900-200	200	76	120	32	14	50	3.8
SHD-900-250	250	76	140	32	12	45	4.2
SHD-900-275	275	86	120	35	14	65	3.0
SHD-900-330	330	86	140	35	12	65	3.4
Vn dc 1100V							
SHD-1100-50	50	55	95	22	26	25	6.1
SHD-1100-60	60	60	95	28.6	26	30	5.3
SHD-1100-65	65	55	120	22	19	25	7.9
SHD-1100-70	70	65	95	28.6	26	35	4.7
SHD-1100-80	80	60	120	28.6	19	30	6.6
SHD-1100-80	80	55	140	22	16	25	8.9
SHD-1100-95	95	65	120	28.6	19	35	5.7
SHD-1100-95	95	60	140	28.6	16	30	7.7
SHD-1100-115	115	65	140	28.6	16	30	6.5
SHD-1100-130	130	76	120	32	19	50	4.4
SHD-1100-160	160	76	140	32	16	45	5.0
SHD-1100-175	175	86	120	35	19	65	3.5
SHD-1100-210	210	86	140	35	16	65	4.0

Different values ,Custom design available upon request
More DC-Link capacitors options, refer to SHA,SHB,SHF