



Electric Double Layer Capacitors



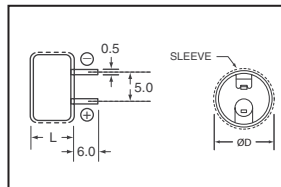
DB/DBJ/DBN Series — 5.5VDC

Features:

- Small-sized
- Large capacity
- Excellent voltage holding
- Wider temperature range than battery
- Ideal for backing up CMOS, Microcomputers and RAM

Specifications:

- Operating Temperature Range: -25°C ~ 70°C (DB/DBN Series) -10°C ~ 85°C (DBJ Series)



Rated Capacitance (F)	Dimensions (mm) D L	Internal Resistance @ 1KHz (Ω)	Digi-Key Part No.	Price Each 1 10 100	ELNA Part No.
DB Series					
.047	13.5 7.5	120	604-1000-ND	2.48 1.98 1.56	DB-5R5D473T
.10	13.5 7.5	75	604-1001-ND	2.48 1.98 1.56	DB-5R5D104T
.22	13.5 7.5	75	604-1004-ND	2.48 1.98 1.56	DB-5R5D224T
.33	13.5 7.5	75	604-1005-ND	2.48 1.98 1.56	DB-5R5D334T
.47	21.5 8.0	30	604-1002-ND	4.16 3.33 2.61	DB-5R5D474T
1.0	21.5 8.0	30	604-1003-ND	4.16 3.33 2.61	DB-5R5D105T
DBJ Series					
.047	13.5 7.5	200	604-1071-ND	2.63 2.10 1.65	DBJ-5R5D473T
.10	13.5 7.5	150	604-1072-ND	2.63 2.10 1.65	DBJ-5R5D104T
.22	13.5 7.5	150	604-1073-ND	2.63 2.10 1.65	DBJ-5R5D224T
.33	13.5 7.5	150	604-1074-ND	2.63 2.10 1.65	DBJ-5R5D334T
DBN Series					
.10	13.5 7.5	75	604-1070-ND	2.59 2.07 1.63	DBN-5R5D104T

F

DC/DCK Series

Features:

- Small sized
- Large capacity

- Operating Temperature Range: -25°C ~ 70°C (DC Series) -10°C ~ 60°C (DCK Series)

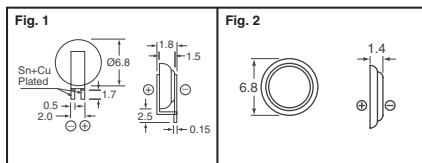


Fig.	WV DC	Rated Capacitance (F)	Internal Resistance @ 1KHz (Ω)	Digi-Key Part No.	Price Each 1 10 100	ELNA Part No.
DC Series						
1	2.5	0.22	100	604-1006-ND	2.44 1.95 1.53	DC-2R5E224U-E
		0.20	100	604-1076-ND	2.61 2.09 1.64	DC-2R5E204T614-E
2	2.5	0.20	100	604-1075-ND	2.61 2.09 1.64	DC-2R5D204T614
DCK Series						
1	3.3	0.22	200	604-1007-ND	2.44 1.95 1.53	DCK-3R3E224U-E
		0.20	200	604-1078-ND	2.61 2.09 1.64	DCK-3R3E204T614-E
2	3.3	0.20	200	604-1077-ND	2.61 2.09 1.64	DCK-3R3D204T614

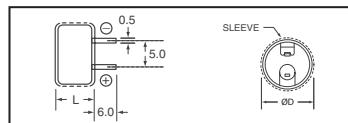
DH Series — 5.5VDC

Features:

- High temperature tolerant
- Highly reliable

Specifications:

- Operating Temperature Range: -25°C ~ 85°C



Rated Capacitance (F)	Dimensions (mm) D L	Internal Resistance @ 1KHz (Ω)	Digi-Key Part No.	Price Each 1 10 100	ELNA Part No.
.047	13.5 9.5	300	604-1008-ND	2.85 2.28 1.79	DH-5R5D473T
.10	13.5 9.5	200	604-1009-ND	2.85 2.28 1.79	DH-5R5D104T
.22	13.5 9.5	120	604-1010-ND	2.85 2.28 1.79	DH-5R5D224T
.47	21.5 9.5	50	604-1011-ND	6.11 4.89 3.84	DH-5R5D474T
.68	21.5 9.5	50	604-1012-ND	6.11 4.89 3.84	DH-5R5D684T
1.0	21.5 9.5	30	604-1013-ND	6.11 4.89 3.84	DH-5R5D105T

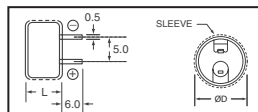
DK Series — 6.3VDC

Features:

- High voltage tolerance (6.3V guaranteed)
- Highly reliable • Ideal for backing up Li-battery back equipment

Specifications:

- Operating Temperature Range: -25°C ~ 70°C



Rated Capacitance (F)	Dimensions (mm) D L	Internal Resistance @ 1KHz (Ω)	Digi-Key Part No.	Price Each 1 10 100	ELNA Part No.
.047	13.5 9.5	300	604-1014-ND	3.19 2.55 2.00	DK-6R3D473T
.10	13.5 9.5	200	604-1015-ND	3.19 2.55 2.00	DK-6R3D104T
.47	21.5 9.5	50	604-1016-ND	6.15 4.92 3.86	DK-6R3D474T
.68	21.5 9.5	50	604-1017-ND	6.15 4.92 3.86	DK-6R3D684T
1.0	21.5 9.5	30	604-1018-ND	6.15 4.92 3.86	DK-6R3D105T

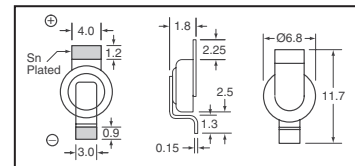
DS/DSK Series

Features:

- Reflow soldering method available
- Highly reliable
- Safe
- Pollution free

Specifications:

- Operating Temperature Range: -10°C ~ 60°C



WV DC	Rated Capacitance (F)	Internal Resistance @ 1KHz (Ω)	Digi-Key Part No.	Cur Tape Price Each 1 10 100	Tape and Reel Pricing* 1,500	ELNA Part No.
DS Series						
2.5	0.22	200	604-1019-1-ND	2.98 2.55 2.00	1275.00/M	DS-2R5H224U-HL
DSK Series						
3.3	0.22	200	604-1020-1-ND	2.98 2.55 2.00	1275.00/M	DSK-3R3H224U-HL

* For Tape and Reel part number, change 1-ND to 2-ND.

DX/DXJ Series — 5.5VDC

DX Series Features:

- Smaller and lighter than DB Series
- Miniaturized but can encase up to 0.33F in 11.5 x 5mm case

Specifications:

- Operating Temperature Range: -25°C ~ 70°C

DXJ Series Features:

- High temperature type • 5mm tall max. thin profile (H-Shaped)
- Miniaturized but can encase up to 0.33F in 11.5 x 5mm case

Specifications:

- Operating Temperature Range: -10°C ~ 85°C

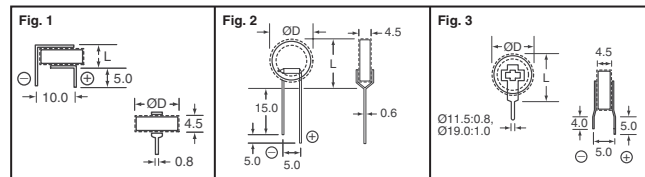


Fig.	Rated Capacitance (F)	Dimensions (mm) D L	Internal Resistance @ 1KHz (Ω)	Digi-Key Part No.	Price Each 1 10 100	ELNA Part No.
DX Series						
1	.047	11.5 5.0	120	604-1021-ND	2.14 1.71 1.34	DX-5R5H473U
	.10	11.5 5.0	75	604-1022-ND	2.14 1.71 1.34	DX-5R5H104U
	.22	11.5 5.0	75	604-1023-ND	2.14 1.71 1.34	DX-5R5H224U
2	.33	11.5 5.0	75	604-1024-ND	2.14 1.71 1.34	DX-5R5H334U
	.047	11.5 12.4	120	604-1025-ND	2.21 1.77 1.39	DX-5R5L473T
	.10	11.5 12.4	75	604-1026-ND	2.10 1.68 1.32	DX-5R5L104T
3	.22	11.5 12.4	75	604-1027-ND	2.21 1.77 1.39	DX-5R5L224T
	.33	11.5 12.4	75	604-1028-ND	2.10 1.68 1.32	DX-5R5L334T
	.047	11.5 13.0	120	604-1029-ND	2.14 1.71 1.34	DX-5R5V473U
	.10	11.5 13.0	75	604-1030-ND	2.14 1.71 1.34	DX-5R5V104U
	.22	11.5 13.0	75	604-1031-ND	2.14 1.71 1.34	DX-5R5V224U
	.33	11.5 13.0	75	604-1032-ND	2.14 1.71 1.34	DX-5R5V334U
	1.0	19.0 20.5	30	604-1033-ND	3.94 3.15 2.47	DX-5R5V105U
DXJ Series						
1	.047	11.5 5.0	200	604-1079-ND	2.36 1.89 1.49	DXJ-5R5H473U
	.10	11.5 5.0	150	604-1080-ND	2.36 1.89 1.49	DXJ-5R5H104U
	.22	11.5 5.0	150	604-1081-ND	2.36 1.89 1.49	DXJ-5R5H224U
2	.33	11.5 5.0	150	604-1082-ND	2.36 1.89 1.49	DXJ-5R5H334U
	.047	11.5 12.4	200	604-1083-ND	2.44 1.95 1.53	DXJ-5R5L473T
	.10	11.5 12.4	150	604-1084-ND	2.44 1.95 1.53	DXJ-5R5L104T
3	.22	11.5 12.4	150	604-1085-ND	2.44 1.95 1.53	DXJ-5R5L224T
	.33	11.5 12.4	150	604-1086-ND	2.44 1.95 1.53	DXJ-5R5L334T
	.047	11.5 13.0	200	604-1087-ND	2.36 1.89 1.49	DXJ-5R5V473U
	.10	11.5 13.0	150	604-1088-ND	2.36 1.89 1.49	DXJ-5R5V104U
	.22	11.5 13.0	150	604-1089-ND	2.36 1.89 1.49	DXJ-5R5V224U
	.33	11.5 13.0	150	604-1090-ND	2.36 1.89 1.49	DXJ-5R5V334U

DZ/DZN Series — 2.5VDC

Features:

- Low internal resistance allows boosting charge and heavy-current discharge

- Unlimited number of charges and discharges

- Operating Temperature Range: -25°C ~ 70°C

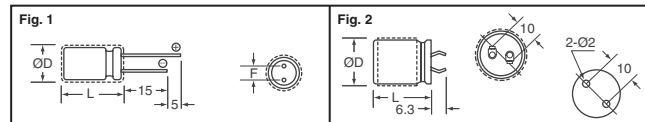


Fig.	Rated Capacitance (F)	Dimensions (mm) D L F	Internal Resistance @ 1KHz (Ω)	Digi-Key Part No.	Price Each 1 10 100	ELNA Part No.
DZ Series						
1	1.0	8.0 22.0 3.5	1.0	604-1034-ND	3.19 2.55 2.00	DZ-2R5D105T
	3.3	12.5 23.0 5.0	0.3	604-1035-ND	4.13 3.30 2.59	DZ-2R5D335T
	4.7	12.5 31.5 5.0	0.2	604-1036-ND	5.06 4.05 3.18	DZ-2R5D475T
	10	18.0 35.0 7.5	0.2	604-1037-ND	10.31 8.25 6.47	DZ-2R5D106T
	20	18.0 40.0 7.5	0.2	604-1038-ND	12.11 9.69 7.60	DZ-2R5D206T
2	50	25.0 40.0 —	0.08	604-1039-ND	23.40 18.33 11.70	DZ-2R5D506T
	100	35.0 50.0 —	0.08	604-1040-ND	31.66 23.92 19.70	DZ-2R5D107T
	200	35.0 50.0 —	0.08	604-1041-ND	45.32 34.24 28.20	DZ-2R5D207S57T
	300	35.0 50.0 —	0.08	604-1091-ND	74.16 59.33 51.92	DZ-2R5D307S57T
DZN Series						
1	3.3	12.5 23.0 5.0	0.2	604-1043-ND	4.28 3.42 2.68	DZN-2R5D335T
	4.7	12.5 31.5 5.0	0.10	604-1044-ND	5.36 4.29 3.37	DZN-2R5D475T
	10	18.0 35.0 7.5	0.10	604-1045-ND	11.10 8.88 6.96	DZN-2R5D106T
	20	18.0 40.0 7.5	0.10	604-1046-ND	15.60 12.48 9.78	DZN-2R5D206T
	50	25.0 40.0 —	0.03	604-1047-ND	24.27 19.02 12.14	DZN-2R5D506T
2	100	35.0 50.0 —	0.03	604-1048-ND	40.05 30.26 24.92	DZN-2R5D107T

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