

PRODUCT CATALOG

The Industry's Most Power-Dense Capacitors

Advantages

- Significant space, weight, and power (SWaP) savings compared to other capacitor technologies
- Qualified and in service with all Tier-1 aerospace and defense contractors
- Ultra-low ESR
- Withstands high current, wide operating temperature range, and intense shock and vibration
- Hi-rel, rugged, and hermetically sealed

Applications

Radar (T/R Module)

Power Hold-up (MIL-STD-704 / DO-160)

Electric Propulsion

Space (routinely tested to NASA EEE INST-002)

Oil & Gas

Directed Energy

High Energy Laser (HEL)

High Power Microwave (HPM)

AI Data Centers

CUAS Drone Defense

Missiles



TDB Series

The TDB Series hybrid capacitor is our newest form factor delivering the same high reliability and rugged quality offered in our other flight and space-grade product lines in a compact package.

- 1.0" x 1.0" square base
- Heights range from 0.329"-0.912"
- Voltages range from 10V-125V
- Cap values range from 750uF-150,000uF
- Temperature range of -55°C to 125°C
- Standard tolerance ±20% (±10% available)
- Stud mount options available
- Lead-free RoHS compliant options available
- ECCN EAR99



Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (µF)	ESR (mΩ)	Height (in)	Mass (g)
TDB1010303	N/A	10	6	30000	55	0.329	34
TDB2010603	N/A	10	6	60000	35	0.475	47
TDB3010903	N/A	10	6	90000	30	0.620	61
TDB4010124	N/A	10	6	120000	25	0.766	74
TDB5010154	N/A	10	6	150000	20	0.912	87
TDB1016203	N/A	16	9.6	20000	55	0.329	34
TDB2016403	N/A	16	9	40000	35	0.475	47
TDB3016603	N/A	16	9.6	60000	30	0.620	61
TDB4016803	N/A	16	9.6	80000	25	0.766	74
TDB5016104	N/A	16	9.6	100000	20	0.912	87
TDB2025243	N/A	25	15	24000	35	0.475	47
TDB3025363	N/A	25	15	36000	30	0.620	61
TDB4025483	N/A	25	15	48000	25	0.766	74
TDB5025603	N/A	25	15	60000	20	0.912	87
TDB1025123	N/A	25	15	12000	55	0.329	34
TDB1035752	N/A	35	21	7500	75	0.329	34
TDB2035153	N/A	35	21	15000	40	0.475	47
TDB4035303	N/A	35	21	30000	30	0.766	74
TDB5035383	N/A	35	21	37500	25	0.912	87
TDB3035233	N/A	35	21	22500	35	0.620	61
TDB1050502	N/A	50	30	5000	90	0.329	35
TDB2050103	N/A	50	30	10000	50	0.475	47
TDB3050153	N/A	50	30	15000	40	0.620	61
TDB4050203	N/A	50	30	20000	30	0.766	74
TDB5050253	N/A	50	30	25000	25	0.912	87
TDB1060312	N/A	60	36	3100	125	0.329	35
TDB2060622	N/A	60	36	6200	75	0.475	50
TDB3060932	N/A	60	36	9300	60	0.620	65
TDB4060123	N/A	60	36	12400	35	0.766	80
TDB5060163	N/A	60	36	15500	30	0.912	95
TDB1075212	N/A	75	45	2100	125	0.329	35
TDB2075422	N/A	75	45	4200	75	0.475	50
TDB3075632	N/A	75	45	6300	60	0.620	65

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TDB Series

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Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
TDB5075113	N/A	75	45	10500	30	0.912	95
TDB4075842	N/A	75	45	8400	35	0.766	80
TDB1100132	N/A	100	60	1300	125	0.329	35
TDB2100262	N/A	100	60	2600	75	0.475	50
TDB3100392	N/A	100	60	3900	60	0.620	65
TDB4100522	N/A	100	60	5200	35	0.766	80
TDB5100652	N/A	100	60	6500	30	0.912	95
TDB1110102	N/A	110	66	1000	125	0.329	35
TDB2110202	N/A	110	66	2000	75	0.475	50
TDB3110302	N/A	110	66	3000	60	0.620	65
TDB4110402	N/A	110	66	4000	35	0.766	80
TDB5110502	N/A	110	66	5000	30	0.912	9
TDB1125751	N/A	125	75	750	125	0.329	35
TDB2125152	N/A	125	75	1500	75	0.475	50
TDB3125232	N/A	125	75	2250	60	0.620	65
TDB4125302	N/A	125	75	3000	35	0.766	80
TDB5125382	N/A	125	75	3750	30	0.912	95

TDD Series

The TDD Series hybrid capacitor combines high capacitance and ultra-low ESR in a fully hermetic tantalum package for high reliability defense and aerospace applications where weight and volume are at a premium; especially well-suited for high power pulse applications.

- 1.4" x 1.4" square base
- Heights range from 0.312"–0.905"
- Voltages range from 10V–125V
- Cap values range from 1,500 μ F–300,000 μ F
- Temperature range of -55°C to 125°C
- Standard tolerance \pm 20% (\pm 10% available)
- Lead-free RoHS compliant options available
- Stud mount options available
- ECCN EAR99



Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
TDD1010603	15010-01	10	6	60000	30	0.310	55
TDD2010124	15010-02	10	6	120000	20	0.450	80
TDD3010184	15010-03	10	6	180000	15	0.600	108
TDD4010244	15010-04	10	6	240000	12	0.750	134
TDD5010304		10	6	300000	10	0.905	160
TDD1016403	15010-05	16	9.6	40000	30	0.310	55
TDD2016803	15010-06	16	9.6	80000	20	0.450	80
TDD3016124	15010-07	16	9.6	120000	15	0.600	108

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TDD
Series

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Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
TDD4016164	15010-08	16	9.6	160000	12	0.750	134
TDD5016204	15010-42	16	9.6	200000	10	0.905	160
TDD2025483	15010-10	25	15	48000	20	0.450	80
TDD3025723	15010-11	25	15	72000	15	0.600	108
TDD4025963	15010-12	25	15	96000	12	0.750	134
TDD5025124	15010-43	25	15	120000	10	0.905	160
TDD1025243	15010-09	25	15	24000	30	0.310	55
TDD1035163	15010-13	35	21	16000	40	0.310	55
TDD2035323	15010-14	35	21	32000	20	0.450	80
TDD3035483	15010-15	35	21	48000	15	0.600	108
TDD4035643	15010-16	35	21	64000	12	0.750	134
TDD5035803	15010-44	35	21	80000	10	0.905	160
TDD1050113	15010-17	50	30	11000	50	0.310	55
TDD2050223	15010-18	50	30	22000	25	0.450	80
TDD3050333	15010-19	50	30	33000	17	0.600	108
TDD4050443	15010-20	50	30	44000	15	0.750	134
TDD5050553	15010-45	50	30	55000	12	0.905	160
TDD1063472	15010-21	63	38	4700	50	0.310	60
TDD2063942	15010-22	63	38	9400	25	0.450	86
TDD3063143	15010-23	63	38	14000	17	0.600	115
TDD4063183	15010-24	63	38	18000	15	0.750	145
TDD5063223	15010-46	63	38	22700	12	0.905	170
TDD1080302	15010-25	80	48	3000	55	0.310	60
TDD2080602	15010-26	80	48	6000	27	0.450	86
TDD3080902	15010-27	80	48	9000	18	0.600	115
TDD4080123	15010-28	80	48	12000	15	0.750	145
TDD5080153	15010-47	80	48	15000	12	0.905	170
TDD1100222	15010-29	100	60	2200	65	0.310	60
TDD2100442	15010-30	100	60	4430	30	0.460	86
TDD3100662	15010-31	100	60	6600	20	0.600	115
TDD4100882	15010-32	100	60	8800	15	0.750	145
TDD5100113	15010-48	100	60	11000	12	0.905	170
TDD1110202	15010-37	110	66	2000	85	0.310	60
TDD2110402	15010-38	110	66	4000	40	0.450	86
TDD3110602	15010-39	110	66	6000	27	0.600	115
TDD4110802	15010-40	110	66	8000	20	0.750	150
TDD5110103	15010-49	110	66	10000	15	0.905	175
TDD1125152	15010-33	125	75	1500	65	0.310	60
TDD2125302	15010-34	125	75	3000	45	0.450	90
TDD3125452	15010-35	125	75	4500	25	0.600	120
TDD4125602	15010-36	125	75	6000	20	0.750	150
TDD5125752	15010-50	125	75	7500	15	0.905	180

TDE Series

The TDE Series hybrid capacitor is our most power-dense capacitor in the 60V-110V range, utilizing advanced materials and processing techniques that push the limits of power density.

- 1.4" x 1.4" square base
- Heights range from 0.312"–0.755"
- Voltages range from 60V–110V
- Cap values range from 1,100uF–250,000uF
- Temperature range of -55°C to 125°C
- Standard tolerance ±20% (±10% available)
- Lead-free RoHS compliant options available
- Stud mount options available
- ECCN EAR99



Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (µF)	ESR (mΩ)	Height (in)	Mass (g)
TDE2060133	N/A	60	36	12600	25	0.450	86
TDE3060193	N/A	60	36	19000	17	0.600	115
TDE4060253	N/A	60	36	25000	15	0.755	145
TDE1060632	N/A	60	36	6300	50	0.312	60
TDE1075442	N/A	75	45	4400	55	0.312	60
TDE2075882	N/A	75	45	8800	27	0.450	86
TDE3075133	N/A	75	45	13000	18	0.600	115
TDE4075183	N/A	75	45	18000	15	0.755	145
TDE1100262	N/A	100	60	2600	65	0.312	60
TDE2100522	N/A	100	60	5200	30	0.450	86
TDE3100782	N/A	100	60	7800	20	0.600	115
TDE4100103	N/A	100	60	10400	15	0.755	145
TDE1110222	N/A	110	66	2200	85	0.312	60
TDE2110442	N/A	110	66	4400	40	0.450	86
TDE3110662	N/A	110	66	6600	27	0.600	115
TDE4110882	N/A	110	66	8800	20	0.755	150

THQ Series

The THQ Series hybrid capacitor has a 20-year legacy of high-reliability performance in countless defense and aerospace applications.

- 1.4" round base
- Heights range from 0.312"–0.765"
- Voltages range from 6V–125V
- Cap values range from 1,100uF–200,000uF
- Temperature range of -55°C to 125°C
- Standard tolerance ±20% [±10% available]
- Lead-free RoHS compliant options available
- Stud mount options available
- ECCN EAR99



Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (µF)	ESR (mΩ)	Height (in)	Mass (g)
THQ1010503	04001-01	10	6	50000	50	0.312	44
THQ2010104		10	6	100000	37	0.460	65
THQ3010154	04003-01	10	6	150000	25	0.608	84
THQ4010204	09022-01	10	6	200000	25	0.725	103
THQ5010204	04004-01	10	6	200000	12	0.760	106
THQ1016303	04001-02	16	9.6	30000	50	0.312	44
THQ2016603		16	9.6	60000	37	0.460	65
THQ3016903	04003-02	16	9.6	90000	25	0.608	84
THQ4016124	09022-02	16	9.5	120000	25	0.725	103
THQ5016124	04004-02	16	9.6	120000	15	0.760	106
THQ1025183	04001-03	25	15	18000	50	0.312	44
THQ2025363		25	15	36000	50	0.460	65
THQ3025543	04003-03	25	15	54000	35	0.608	84
THQ4025703	09022-03	25	15	70000	25	0.725	103
THQ5025703	04004-03	25	15	70000	15	0.760	106
THQ1035123	04001-04	35	20	12000	50	0.312	44
THQ2035243		35	20	24000	50	0.460	65
THQ3035363	04003-04	35	20	36000	35	0.608	84
THQ4035503	09022-04	35	21	50000	25	0.725	103
THQ5035503	04004-04	35	21	50000	15	0.760	106
THQ1050802	04001-05	50	30	8000	60	0.312	44
THQ3050243	04003-05	50	30	24000	35	0.608	84
THQ2050163		50	30	16000	60	0.460	65
THQ4050323	09022-05	50	30	32000	25	0.725	103
THQ5050303	04004-05	50	30	30000	15	0.760	106
THQ1063402	04001-06	63	37.5	4000	100	0.312	47
THQ3063123	04003-06	63	38	12000	35	0.608	102
THQ2063802		63	38	8000	70	0.460	78
THQ4063163	09022-06	63	37.5	16000	35	0.725	128
THQ5063163	04004-06	63	38	16000	20	0.760	128
THQ3080822	04003-07	80	48	8200	40	0.608	102
THQ2080562		80	48	5600	70	0.460	78
THQ1080282	04001-07	80	48	2800	100	0.312	50

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THQ Series

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Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
THQ4080113	09022-07	80	48	11000	35	0.725	128
THQ5080113	04004-07	80	48	11000	25	0.760	128
THQ3100572	04003-08	100	60	5700	50	0.608	102
THQ2100382		100	60	3800	90	0.460	78
THQ1100192	04001-08	100	60	1900	125	0.312	50
THQ4100752	09022-08	100	60	7500	35	0.725	128
THQ5100752	04004-08	100	60	7500	32	0.760	128
THQ3110452	04003-09	110	65	4500	75	0.608	102
THQ2110302		110	65	3000	140	0.460	78
THQ1110152	04001-09	110	65	1500	200	0.312	50
THQ4110602		110	65	6000	35	0.725	128
THQ5110602		110	65	6000	32	0.760	128
THQ2125222		125	75	2200	140	0.460	78
THQ5125452	04003-09	125	75	4500	40	0.760	128
THQ1125112	04001-10	125	75	1100	200	0.312	50
THQ3125332	04003-10	125	75	3300	75	0.608	102
THQ4125452	09022-09	125	75	4500	50	0.725	128

THQ -A2, -M2 Series

The THQA2 Series provides high power in a compact, hermetic, tantalum package. As an iteration, this series offers the THQM2 in a nylon mounting package for ease of assembly to a PCB.

- 0.6" round diameter case
- Heights range from 0.274"–0.45"
- Voltages range from 10V–125V
- Cap values range from 215 μ F–10,000 μ F
- Temperature range of -55°C to 125°C
- Lead-free RoHS compliant options available
- 4-pin nylon mounting package available
- ECCN EAR99



Part Number	DLA PN	Voltage (85°C)	Voltage (175°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
THQM2010103	04005-11	10	6	10000	200	0.450	10
THQA2010103	04005-01	10	6	10000	200	0.274	8
THQA2016502	04005-02	16	9.5	5000	200	0.274	8
THQM2016502	04005-12	16	9.5	5000	200	0.450	10
THQA2025382	04005-03	25	15	3800	200	0.274	8
THQM2025382	04005-13	25	15	3800	200	0.450	10
THQA2030302	04005-04	30	18	3000	250	0.274	8
THQM2030302	04005-14	30	18	3000	250	0.450	10
THQA2035252	04005-05	35	21	2500	250	0.274	8
THQM2035252	04005-15	35	21	2500	250	0.450	10

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THQ -A2, -M2 Series

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Part Number	DLA PN	Voltage (85°C)	Voltage (175°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
THQA2050152	04005-06	50	30	1500	250	0.274	8
THQM2050152	04005-16	50	30	1500	250	0.450	10
THQA2060871	04005-07	60	36	875	350	0.274	8
THQM2060871	04005-17	60	36	875	350	0.450	10
THQA2075561	04005-08	75	45	565	500	0.274	8
THQM2075561	04005-18	75	45	565	500	0.450	10
THQA2100361	04005-09	100	60	360	800	0.274	8
THQM2100361	04005-19	100	60	360	800	0.450	10
THQA2125211	04005-10	125	75	215	1250	0.274	8
THQM2125211	04005-20	125	75	215	1250	0.450	10

THQS2 Series

The THQS2 "Shock Hard" Series hybrid capacitor is designed for applications with high-impact shock requirements. Applications are limited cycle, limited time on charge (such as missile fusing), and short duration power hold up. Impact shock capability of 30,000g or higher. Unlimited shelf life.

- 0.6" round diameter case
- Height 0.341"
- Voltages range from 8V–50V
- Cap values range from 1,600 μ F–13,000 μ F
- Temperature range of -55°C to 125°C
- Lead-free RoHS compliant options available



Part Number	DLA PN	Voltage (85°C)	Voltage (125°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
THQS2008133	N/A	8	4.8	13000	200	0.341	8
THQS2010103	N/A	10	6	10000	200	0.341	8
THQS2016622	N/A	16	9.5	6250	200	0.341	8
THQS2025442	N/A	25	15	4400	200	0.341	8
THQS2035292	N/A	35	21	2900	250	0.341	8
THQS2050162	N/A	50	30	1600	250	0.341	8

HyCap Series

The HyCap Series capacitor in axial form features our hybrid technology in the traditional tantalum wet case style that provides up to 4X the capacitance in industry standard case sizes [T1, T2, and T4]. Standard DLA part numbers available.

- Voltages range from 10V–150V
- Cap values range from 68uF–2700uF
- Operating temperature range of -55°C to 125°C
- RoHS 6/6 compliant and lead-free options available
- ECCN EAR99



Part Number	DLA PN	Voltage [85°C]	Voltage [125°C]	Capacitance (µF)	ESR (mΩ)	Height (in)	Mass (g)
HCB010102		10	7	1000	800	0.641	5.50
HC2B025102	10004-19	25	15	1000	800	0.641	5.50
HCB025561		25	15	560	800	0.641	5.50
HC2B050471	10004-20	50	30	470	900	0.641	5.50
HC2D050152	10004-08	50	30	1500	450	1.062	15.00
HC3B050681	10004-25	50	30	680	900	0.641	5.70
HC3D050222	10004-15	50	30	2200	600	1.062	15.00
HC4B050821		50	30	820	800	0.641	5.70
HC4D050272		50	30	2700	800	1.062	15.00
HCB050221		50	30	220	900	0.641	5.50
HCD050681	93026-40	50	30	680	700	1.062	15.00
HC2B060331	10004-21	60	40	330	900	0.641	5.50
HC2D060122	10004-16	60	40	1200	500	1.062	15.00
HC3B060471	10004-26	60	40	470	1000	0.641	5.70
HC3B060561	10004-27	60	40	560	1000	0.641	5.70
HC3D060182	10004-28	60	40	1800	500	1.062	15.00
HC4B060681		60	40	680	900	0.641	5.70
HC4D060222		60	40	2200	800	1.062	15.00
HCB060151		60	40	150	1100	0.641	5.50
HCD060561	93026-44	60	40	560	800	1.062	15.00
HC2A075680		75	50	68	2800	0.453	2.25
HC2B075221	10004-22	75	50	220	1000	0.641	5.50
HC2D075102		75	50	1000	350	1.062	15.00
HC2D075941	10004-17	75	50	940	500	1.062	15.00
HC3D075122	10004-30	75	50	1200	400	1.062	15.00
HC4B075391		75	50	390	600	0.641	5.70
HC4D075152		75	50	1500	600	1.062	15.00
HCB075111	93026-46	75	50	110	1300	0.641	6.00
HCD075471	93026-48	75	50	470	900	1.062	15.00
HC3B075331	10004-29	75	50	330	600	0.641	5.70
HC2A100330		100	65	33	3000	0.453	2.25
HC2B100151	10004-23	100	65	150	1200	0.641	5.50
HC2D100471	10004-18	100	65	470	500	1.062	15.00
HC3A100470		100	65	47	2500	0.453	2.25
HC3B100221		100	65	220	800	0.641	5.70
HC3D100681		100	65	680	600	1.062	15.00
HC4B100271		100	65	270	1000	0.641	5.70

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HyCap Series

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Part Number	DLA PN	Voltage [85°C]	Voltage [125°C]	Capacitance (μF)	ESR (mΩ)	Height (in)	Mass (g)
HC4D100881		100	65	880	600	1.062	15.00
HCB100680	93026-50	100	65	68	2100	0.641	6.00
HCD100221	93026-52	100	65	220	1200	1.062	18.00
HC2A125220		125	85	22	3200	0.453	2.25
HC2B125101		125	85	100	1800	0.641	5.50
HC2D125241	10004-14	125	85	240	800	1.062	18.00
HC2D125331	10004-24	125	85	330	800	1.062	15.00
HC3B125151		125	85	150	1000	0.641	5.70
HC3D125471		125	85	470	700	1.062	15.00
HC4B125181		125	85	180	1500	0.641	5.70
HC4D125561		125	85	560	700	1.062	15.00
HCB125470		125	85	47	2300	0.641	6.00
HCD125151	93026-56	125	85	150	1600	1.062	18.00
HC2D150151		150	100	150	1800	1.062	18.00

Hy-Cap HT Series

The HyCap HT (High Temperature) Series hybrid capacitor is designed for operation up to 200° C in intense shock and vibration environments including Oil & Gas Downhole Wireline, Drilling, MWD, and Completion Services.

For extreme shock and vibration environments, our HyCap-HTX Series offers a robust construction

in the largest traditional D(T4) case style. Information on the HyCap-HTX available upon request.

- Axial form
- Voltages range from 25V–75V
- Cap values range from 22μF–1800μF
- Temperature range of -55°C to 200°C
- Lead-free RoHS compliant options available
- ECCN EAR99



Part Number	DLA PN	Voltage [85°C]	Voltage [175°C]	Capacitance (μF)	ESR (mΩ)	Height (in)	Mass (g)
HC2B050471HT	N/A	30	25	470	900	0.641	5.25
HC2D050152HT	N/A	30	25	1500	500	1.062	15.00
HCD050681HT	N/A	35	30	680	700	1.062	18.00
HC2B060331HT	N/A	36	30	330	900	0.641	5.25
HC3B060561HT	N/A	36	30	560	1300	0.641	5.75
HC3D060182HT	N/A	36	30	1800	600	1.062	15.50
HCD060561HT	N/A	42	36	560	800	1.062	18.00
HC2A075680HT	N/A	45	37	68	2800	0.453	2.25
HC2B075221HT	N/A	45	37	220	1000	0.641	5.25
HC2D075941HT	N/A	45	37	940	600	1.062	15.00
HC3B075331HT	N/A	45	37	330	1500	0.641	5.75
HC3D075122HT	N/A	45	37	1200	800	1.062	15.50

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Hy-Cap HT Series

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Part Number	DLA PN	Voltage (85°C)	Voltage (175°C)	Capacitance (μ F)	ESR (m Ω)	Height (in)	Mass (g)
HC4B075391HT	N/A	45	37	390	800	0.641	5.75
HCB075111HT	N/A	50	45	110	1300	0.641	6.00
HCD075471HT	N/A	50	45	470	900	1.062	18.00
HC2A100330HT	N/A	60	50	33	3000	0.453	2.25
HC2B100151HT	N/A	60	50	150	1200	0.641	5.25
HC2D100471HT	N/A	60	50	470	700	1.062	15.00
HC3B100221HT	N/A	60	50	220	1000	0.641	5.75
HC3D100681HT	N/A	60	50	680	500	1.062	15.50
HC4B100271HT	N/A	60	50	270	1200	0.641	5.75
HC4D075152HT	N/A	60	50	1500	600	1.062	15.50
HC4D100881HT	N/A	60	50	880	600	1.062	15.50
HCB100680HT	N/A	70	60	68	2100	0.641	6.00
HCD100221HT	N/A	70	60	220	1200	1.062	18.00
HC2A125220HT	N/A	75	62	22	3200	0.453	2.25
HC2D125331HT	N/A	75	62	330	800	1.062	15.00
HC3B125151HT	N/A	75	62	150	1200	1.062	5.75
HC3D125471HT	N/A	75	62	470	600	1.062	15.50
HC4D125561HT	N/A	75	62	560	700	1.062	15.50
HCD125151HT	N/A	85	75	150	1600	1.062	18.00

Cappattery Series

The Cappattery Series super capacitor is designed for longer duration power hold up and memory backup applications. It has a full operating temperature range of -55°C to +85°C. Steady state charge life is 25 years. High-shock design options available.

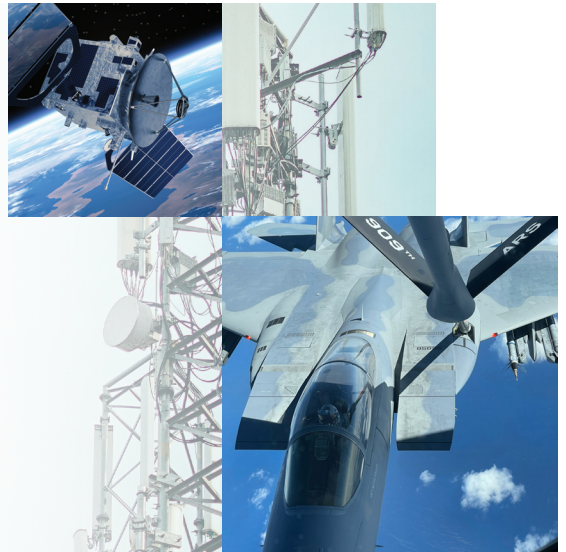


Part Number	DLA PN	Voltage (85°C)	Capacitance (μ F)	ESR (m Ω)	Diameter (in)	Height (in)
RE055105	92001-02	5.5	1,000,000	700	1.28	0.675
RS055105	92001-07	5.5	1,000,000	2000	1.10	0.580
RS110564	92001-14	10	560,000	4000	1.10	0.950
RE110474	92001-09	11	470,000	1500	1.28	1.050
RES160504	N/A	16	500,000	1500	1.28	1.050
RSS160564	N/A	16	500,000	4000	1.10	0.950

Evans GROUP

Hi-Rel Capacitors for Aerospace, Defense, Energy & Advanced RF Systems

Uniting four industry leaders—Evans, Paktron, UTC and Eulex—the Evans Group delivers one of the industry's most specialized and comprehensive capacitor portfolios.



Evans

Hybrid Wet Tantalum

Evans hybrid wet tantalum capacitors are the most power dense in the industry, providing significant SWaP savings compared to traditional capacitor technologies.

- Voltage range from 10V–125V
- Cap values from 22 μ F–1F
- Rugged hermetically sealed design withstands high shock & vibration
- Ultra-low ESR enables high-current applications
- Space-grade (routinely tested and qualified to NASA-INST-002)

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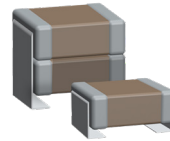
Paktron

Multilayer Polymer (MLP) Film

Paktron's multilayer polymer film capacitors offer an alternative to ceramic capacitors in specific "cannot fail" applications that demand robust mechanical & electrical solutions.

- Voltage range from 50VDC–1200VDC
- Cap values from 0.1 μ F–42 μ F
- Unique stacked construction offers high frequency, ultra-low ESR & ESL, and high dV/dT
- Highest ripple current rating per C*V in the industry
- Electrical stability over wide temperature range
- Self-healing, does not fail short
- Mechanically flexible, does not crack

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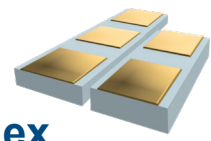
UTC

Multilayer Ceramic (MLCC)

UTC manufactures COTS and custom engineered high-reliability multi-layer ceramic chip capacitors (MLCCs) and leaded devices at their DLA 790 facility, approved to produce MIL-PRF 49470 parts, in addition to other DLA/DSCC drawings.

- Equipped to perform a variety of MIL-PRF testing
- Low ESR & ESL- excellent for frequency decoupling
- Multiple dielectrics available including NP0, X7R, X5R, Y5V- PME and BME formulations
- Low-cost manufacturing options available
- Product offerings include MLCCs, planar arrays, discoidals, pulse energy, megacaps, SMPS and safety caps

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Eulex

RF/High Frequency Ceramic

Eulex's novel capacitor architecture using an embedded electrode manufactured with bespoke dielectrics provides improved temperature and frequency performance in a high reliability package.

- Voltage range from 6.3V–1500V
- 20 \times greater capacitance density than RF SLCs
- Proven performance at frequencies up to 110GHz
- Ultra-high Q dielectrics
- Product offering includes gap, binary, broadband, vertical layer and ultra-high Q

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