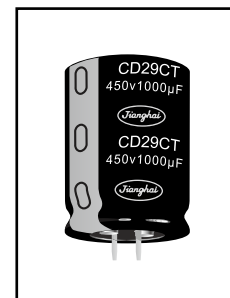
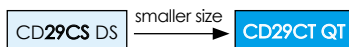


CD29CT QT SERIES



2000h at 105°C

- Extremely high CV, ultra compact
- Servo drivers, 5G power supply, etc.
- High capacitance achieved by new foil technology



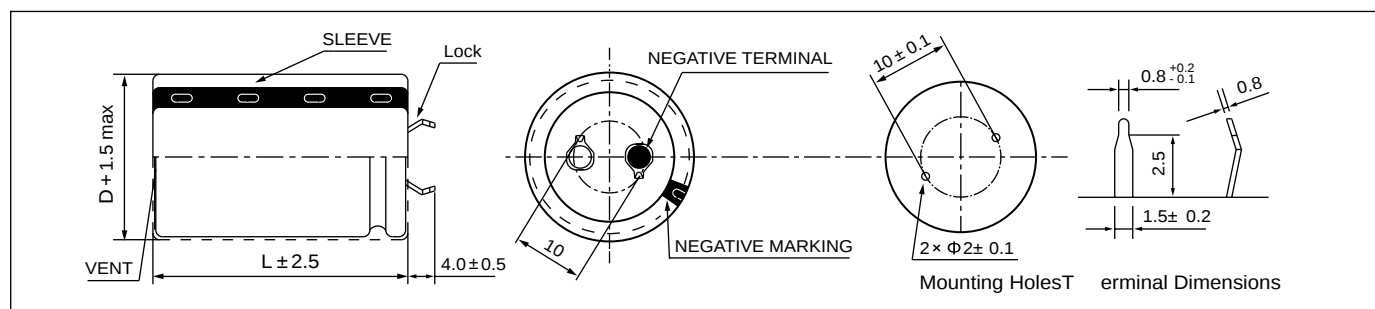
Items	Characteristics
Operating Temperature Range (°C)	-25 ~ +105
Voltage range (V)	400 ~ 475
Capacitance Range (μF)	240 ~ 3240
Capacitance Tolerance (20°C, 120Hz)	± 20%
Leakage Current (μA)	After 5min at 20°C application of rated voltage, leakage current is not more than $0.06 \times C \times \sqrt{V}$ C: Nominal capacitance (μF) V: Rated Voltage (V)
Disipation Factor (20°C, 120Hz)	≤ 0.20
Stability at Low Temperature (Impedance Ratio at 120Hz)	UR (V) 400~475
	Z _{-25°C} / Z _{+20°C} 8

	Useful Life		Load Life	Endurance Test	Shelf Life
Life Time	3000h	≥ 15000h	2000h	3000h	1000h
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value
Capacitance Change	Within ± 30% of initial value		Within ± 20% of initial value	Within ± 20% of initial value	Within ± 20% of initial value
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value	Not more than 200% of specified value	Not more than 200% of specified value
Condition:	U _R I _R 105°C	U _R 1.4 × I _R 40°C	U _R I _R 105°C	U _R 105°C	105°C

*Shelf Life test: U_R to be applied for 60min, > 24h before measurement

Dimensions

mm



Ripple Current Coefficient

Frequency (Hz) Voltage (V)	50	120	300	1k	10k	50k
400 ~ 450	0.80	1.00	1.16	1.30	1.41	1.43

Ambient Temp(°C)	40	55	70	85	105
Coefficient	2.7	2.5	2.1	1.7	1.0

Ratings for CD29CT QT Series

U _r (Surge Voltage) Code	Rated Capa- cittance	MaX ESR 20°C , 120Hz	Typ ESR 20°C , 120Hz	Rated Ripple Current 105°C , 120Hz	Size ΦD X L	P/N
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)	-
400 (450) 2G	240	884	442	1.00	25X25	ECS2GQT241M □□ 250025
	310	692	346	1.19	25X30	ECS2GQT311M □□ 250030
	390	558	279	1.31	25X35	ECS2GQT391M □□ 250035
	470	468	234	1.51	25X40	ECS2GQT471M □□ 250040
	480	468	234	1.48	30X30	ECS2GQT481M □□ 300030
	540	412	206	1.66	25X45	ECS2GQT541M □□ 250045
	600	374	187	1.70	30X35	ECS2GQT601M □□ 300035
	620	358	179	1.83	25X50	ECS2GQT621M □□ 250050
	700	322	161	1.89	30X40	ECS2GQT701M □□ 300040
	800	284	142	1.93	35X35	ECS2GQT801M □□ 350035
	820	274	137	2.08	30X45	ECS2GQT821M □□ 300045
	950	240	120	2.29	30X50	ECS2GQT951M □□ 300050
		240	120	2.22	35X40	ECS2GQT951M □□ 350040
	1050	216	108	2.40	30X55	ECS2GQT1A2M □□ 300055
	1100	206	103	2.45	35X45	ECS2GQT112M □□ 350045
	1200	192	96	2.56	30X60	ECS2GQT112M □□ 300060
	1250	184	92	2.58	35X50	ECS2GQT1C2M □□ 350050
	1350	172	86	2.64	35X55	ECS2GQT1D2M □□ 350055
	1500	156	78	2.80	35X60	ECS2GQT152M □□ 350060
	450 (500) 2W	430	460	230	1.43	30X30
490		410	205	1.56	32X30	ECS2WQT491M □□ 320030
540		376	188	1.69	30X35	ECS2WQT541M □□ 300035
600		344	172	1.81	32X35	ECS2WQT601M □□ 320035
		344	172	1.77	35X30	ECS2WQT601M □□ 350030
640		326	163	1.92	30X40	ECS2WQT641M □□ 300040
730		286	143	2.10	32X40	ECS2WQT731M □□ 320040
750		282	141	2.17	30X45	ECS2WQT751M □□ 300045
		286	143	2.07	35X35	ECS2WQT751M □□ 350035
840		258	129	2.32	32X45	ECS2WQT841M □□ 320045
850		256	128	2.38	30X50	ECS2WQT851M □□ 300050
900		242	121	2.37	35X40	ECS2WQT901M □□ 350040
950		232	116	2.61	30X55	ECS2WQT951M □□ 300055
960		230	115	2.57	32X50	ECS2WQT961M □□ 320050
1050		212	106	2.66	35X45	ECS2WQT10EM □□ 350045
1070		208	104	2.86	30X60	ECS2WQT10GM □□ 300060
1080		206	103	2.83	32X55	ECS2WQT10HM □□ 320055
1170		192	96	3.09	30X65	ECS2WQT11GM □□ 300065
1190		190	95	2.94	35X50	ECS2WQT11JM □□ 350050
1200		188	94	3.08	32X60	ECS2WQT122M □□ 320060
1270		180	90	3.30	30X70	ECS2WQT12GM □□ 300070
1310		174	87	3.32	32X65	ECS2WQT13AM □□ 320065
1330		172	86	3.22	35X55	ECS2WQT13CM □□ 350055
1380		166	83	3.55	30X75	ECS2WQT13HM □□ 300075
1440		160	80	3.58	32X70	ECS2WQT14DM □□ 320070
		156	78	3.77	30X80	ECS2WQT14HM □□ 300080
1480		158	79	3.49	35X60	ECS2WQT14HM □□ 350060
1550		152	76	3.78	32X75	ECS2WQT15EM □□ 320075
1590		148	74	3.98	30X85	ECS2WQT15JM □□ 300085
1630		144	72	3.79	35X65	ECS2WQT16CM □□ 350065
1670		142	71	4.03	32X80	ECS2WQT16GM □□ 320080
1690		140	70	4.20	30X90	ECS2WQT16JM □□ 300090
1780		134	67	4.06	35X70	ECS2WQT17HM □□ 350070
1790		134	67	4.27	32X85	ECS2WQT17JM □□ 320085
1800		134	67	4.40	30X95	ECS2WQT182M □□ 300095
1900		126	63	4.65	30X100	ECS2WQT192M □□ 300100
1910		126	63	4.52	32X90	ECS2WQT19AM □□ 320090
1920		126	63	4.32	35X75	ECS2WQT19BM □□ 350075
2000		122	61	4.83	30X105	ECS2WQT202M □□ 300105
2020		122	61	4.71	32X95	ECS2WQT20BM □□ 320095
2070		120	60	4.55	35X80	ECS2WQT20GM □□ 350080
2120		116	58	5.06	30X110	ECS2WQT21BM □□ 300110
2150		116	58	4.94	32X100	ECS2WQT21EM □□ 320100
2210		112	56	4.84	35X85	ECS2WQT22AM □□ 350085
2220		112	56	5.26	30X115	ECS2WQT22BM □□ 300115
2260		112	56	5.15	32X105	ECS2WQT22FM □□ 320105
2320		108	54	5.47	30X120	ECS2WQT23BM □□ 300120
2360		108	54	5.06	35X90	ECS2WQT23FM □□ 350090
2380		108	54	5.35	32X110	ECS2WQT23HM □□ 320110
2500		102	51	5.63	32X115	ECS2WQT252M □□ 320115
2510		102	51	5.34	35X95	ECS2WQT25AM □□ 350095
2620		98	49	5.86	32X120	ECS2WQT268M □□ 320120
2650		98	49	5.58	35X100	ECS2WQT26EM □□ 350100
2800		94	47	5.82	35X105	ECS2WQT282M □□ 350105
2950	90	45	6.08	35X110	ECS2WQT29EM □□ 350110	
3100	88	44	6.28	35X115	ECS2WQT312M □□ 350115	
3240	84	42	6.56	35X120	ECS2WQT32DM □□ 350120	
475 (525) 2Q	360	542	271	1.32	30X30	ECS2QQT361M □□ 300030
	400	492	246	1.42	32X30	ECS2QQT401M □□ 320030
	440	450	225	1.54	30X35	ECS2QQT441M □□ 300035
		398	199	1.68	32X35	ECS2QQT501M □□ 320035
	500		398	199	1.65	35X30

U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Typ ESR 20°C, 120Hz	Rated Ripple Current 105°C, 120Hz	Size ΦD X L	P/N
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)	-
475 (525) 2Q	530	378	189	1.78	30X40	ECS2QQT531M □□ 300040
	590	342	171	1.92	32X40	ECS2QQT591M □□ 320040
	610	332	166	2.00	30X45	ECS2QQT611M □□ 300045
	610	332	166	1.92	35X35	ECS2QQT611M □□ 350035
	700	290	145	2.24	30X50	ECS2QQT701M □□ 300050
	700	290	145	2.19	32X45	ECS2QQT701M □□ 320045
	740	274	137	2.23	35X40	ECS2QQT741M □□ 350040
	790	262	131	2.46	30X55	ECS2QQT791M □□ 300055
	790	262	131	2.41	32X50	ECS2QQT791M □□ 320050
	860	242	121	2.49	35X45	ECS2QQT861M □□ 350045
	870	240	120	2.67	30X60	ECS2QQT871M □□ 300060
	890	234	117	2.66	32X55	ECS2QQT891M □□ 320055
	960	220	110	2.89	30X65	ECS2QQT961M □□ 300065
	970	218	109	2.75	35X50	ECS2QQT971M □□ 350050
	980	218	109	2.86	32X60	ECS2QQT981M □□ 320060
	1050	204	102	3.10	30X70	ECS2QQT105M □□ 300070
	1080	200	100	3.09	32X65	ECS2QQT108M □□ 320065
	1100	196	98	3.02	35X55	ECS2QQT112M □□ 350055
	1130	192	96	3.30	30X75	ECS2QQT113M □□ 300075
475 (525) 2Q	1180	186	93	3.32	32X70	ECS2QQT118M □□ 320070
	1220	180	90	3.51	30X80	ECS2QQT122M □□ 300080
	1220	180	90	3.27	35X60	ECS2QQT122M □□ 350060
	1270	174	87	3.54	32X75	ECS2QQT127M □□ 320075
	1300	172	86	3.69	30X85	ECS2QQT132M □□ 300085
	1330	168	84	3.51	35X65	ECS2QQT133M □□ 350065
	1380	164	82	3.75	32X80	ECS2QQT138M □□ 320080
	1400	162	81	3.90	30X90	ECS2QQT142M □□ 300090
	1460	154	77	3.78	35X70	ECS2QQT146M □□ 350070
	1470	156	78	3.95	32X85	ECS2QQT147M □□ 320085
	1480	154	77	4.10	30X95	ECS2QQT148M □□ 300095
	1560	148	74	4.29	30X100	ECS2QQT156M □□ 300100
	1570	148	74	4.17	32X90	ECS2QQT157M □□ 320090
	1580	146	73	4.01	35X75	ECS2QQT158M □□ 350075
	1650	142	71	4.48	30X105	ECS2QQT165M □□ 300105
	1660	142	71	4.36	32X95	ECS2QQT166M □□ 320095
	1700	138	69	4.24	35X80	ECS2QQT172M □□ 350080
	1740	136	68	4.68	30X110	ECS2QQT174M □□ 300110
	1770	134	67	4.60	32X100	ECS2QQT177M □□ 320100
	1820	132	66	4.46	35X85	ECS2QQT182M □□ 350085
	1830	130	65	4.88	30X115	ECS2QQT183M □□ 300115
	1860	130	65	4.78	32X105	ECS2QQT186M □□ 320105
	1910	126	63	5.06	30X120	ECS2QQT191M □□ 300120
	1940	124	62	4.72	35X90	ECS2QQT194M □□ 350090
	1960	126	63	4.96	32X110	ECS2QQT196M □□ 320110
	2060	120	60	5.19	32X115	ECS2QQT206M □□ 320115
	2070	120	60	4.92	35X95	ECS2QQT207M □□ 350095
	2160	116	58	5.38	32X120	ECS2QQT216M □□ 320120
	2180	116	58	5.13	35X100	ECS2QQT218M □□ 350100
	2300	110	55	5.38	35X105	ECS2QQT232M □□ 350105
	2430	106	53	5.60	35X110	ECS2QQT243M □□ 350110
	2540	102	51	5.83	35X115	ECS2QQT254M □□ 350115
	2660	98	49	6.07	35X120	ECS2QQT266M □□ 350120

Customer products are available on request.

Life Time Diagram

