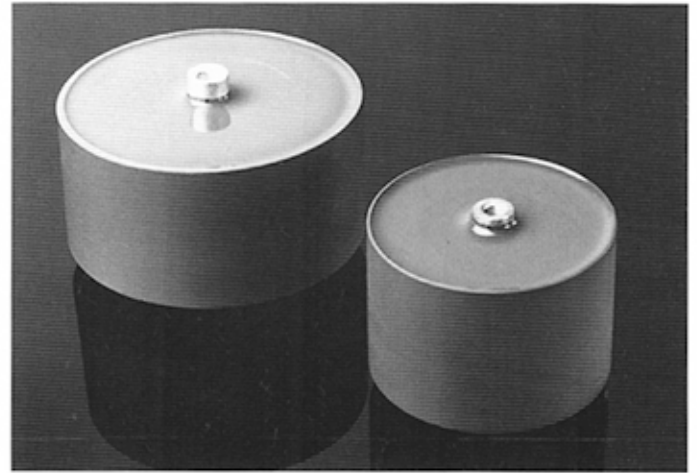
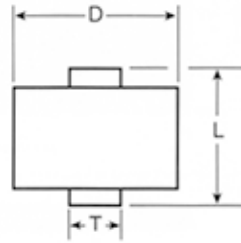


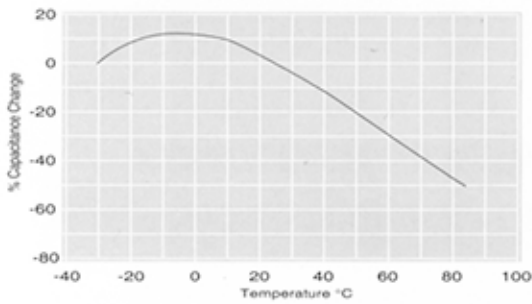
High Voltage Capacitors

10-40kV
K3500



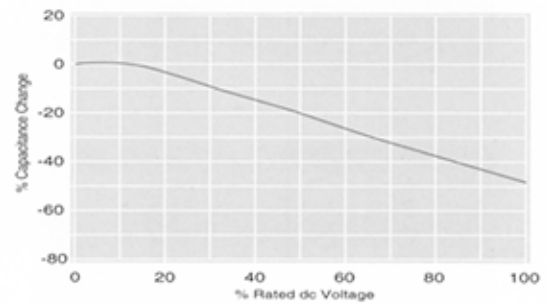
Typical variation of capacitance with temperature

Temperature Coefficient



Typical variation of capacitance with applied d.c. voltage

DC Voltage Coefficient



Capacitance measured at 1kHz, LV

High Voltage Capacitors

ELECTRICAL CHARACTERISTICS

DIMENSIONS

TYPE	CAP VALUE pF \pm 20%	VOLTAGE				DISCH. FREE TEST <5pC kV 50Hz	D (mm)	L (mm)	T (mm)	THREAD SIZE
		RATED		TEST 1 MINUTE						
		kV DC	kV 50Hz	kV DC	kV 50Hz					
07536	1000	10	3	15	10	3	22	28	8	M4
07537	2000	10	3	15	10	3	27	28	8	M4
07538	3000	10	3	15	10	3	31	28	8	M4
07755	4000	10	3	15	10	3	36	28	8	M4
07756	5000	10	3	15	10	3	40	28	8	M4
07539	6300	10	3	15	10	3	45	28	9	M5
07757	8000	10	3	15	10	3	49	28	9	M5
07758	10000	10	3	15	10	3	56	28	9	M5
07540	500	20	5	30	20	6	22	36	8	M4
07541	1000	20	5	30	20	6	27	36	8	M4
07542	1500	20	5	30	20	6	31	36	8	M4
07543	2000	20	5	30	20	6	36	36	8	M4
07544	3000	20	5	30	20	6	45	36	9	M5
07559	4000	20	5	30	20	6	49	36	9	M5
07545	5000	20	5	30	20	6	56	36	9	M5
07836	10000	20	5	30	20	6	78	37.6	10	M6
07872	20000	20	5	30	20	6	110	37.6	10	M6
07760	400	30	7	45	28	8	22	41	8	M4
07061	700	30	7	45	28	8	27	41	8	M4
→ 07761	1000	30	7	45	28	8	31	41	8	M4
07121	1500	30	7	45	28	8	36	41	8	M4
07534	2200	30	7	45	28	8	45	41	9	M5
07762	3000	30	7	45	28	8	49	41	9	M5
07763	3700	30	7	45	28	8	56	41	9	M5
07514	5000	30	7	45	28	8	66	41	9	M5
07764	350	40	8	60	35	10	22	46	8	M4
07765	570	40	8	60	35	10	27	46	8	M4
07766	750	40	8	60	35	10	31	46	8	M4
07122	1000	40	8	60	35	10	36	46	8	M4
07767	1800	40	8	60	35	10	45	46	9	M5
07768	2300	40	8	60	35	10	49	46	9	M5
07769	3000	40	8	60	35	10	56	46	9	M5
07770	4000	40	8	60	35	10	66	46	9	M5
07771	5000	40	8	60	35	10	70	46	9	M5
07772	7500	40	8	60	35	10	95	46	13	3xM8
07773	10000	40	8	60	35	10	102	46	13	3xM8
07892	10000	40	8	60	35	10	102	43	15	M5

Applications

- High power 50/60Hz operation.
- DC power supplies.
- Bypass, coupling and smoothing circuitry.
- Medical scanners and X-ray power sources where low power ratings are required and larger capacitance changes with temperature can be tolerated.

Notes

1. The effective capacitance @ 50/60Hz and continuous working voltage will be approximately 1.2 times the value quoted.
2. 50Hz 1 minute test voltage applied to parts unless DC test requested.
3. Tolerances on physical dimensions are \pm 1.0mm on diameter and length.
4. By the use of other terminations, minor reductions in length can be achieved on request.
5. Maximum temperature of operation at full DC rated voltage not to exceed 60°C.