



STANDARD 1 pps DESIGNS — At Rated Voltage, 25°C

MODEL NUMBER	CAP (uF) +/- 10%	MAX. OPERATING VOLT (kV)	DESIGN LIFE 90% SURVIVAL (AT RATED VOLT AND 20%VR)
31150	.5	30	1x10 ⁵
31151	.6	30	1x10 ⁵
31152	2.4	30	1x10 ⁵
31158	1.0	40	1x10 ⁵
31432	1.8	40	3x10 ⁴
31159	.15	50	1x10 ⁵
31160	.22	50	1x10 ⁵
31433	.25	50	3x10 ⁴
31161	.7	50	1x10 ⁵
31434	1.1	50	3x10 ⁴
31436	.66	65	3x10 ⁴
31162	.06	75 †	1x10 ⁵
31164	.33	75 †	1x10 ⁵
31438	.44	75 †	3x10 ⁴
31392	.8	75 †	3x10 ⁴
31165	.04	100 †	3x10 ⁴
31445	.06	100 †	3x10 ⁴
31190	.08	100 †	3x10 ⁴
31235	.3	100 †	3x10 ⁴
31427	.4	100 †	3x10 ⁴

Q: 1013
Q: 1026
Q: 10

HIGH REPETITION RATE DESIGNS TO 1,000 pps ON

MODEL NUMBER	CAP (uF) +/- 10%	MAX. OPERATING VOLT (kV)	DESIGN LIFE 90% SURVIVAL (AT RATED VOLT AND 20%VR)
37319	.2	20	2x10 ⁸
37320	.24	20	2x10 ⁸
37321	.06	30	2x10 ⁸
37322	.22	30	1x10 ⁸
37323	.3	30	1x10 ⁸
37324	.02	40	1x10 ⁹
37325	.03	40	5x10 ⁸
37326	.05	40	2x10 ⁸
37327	.1	40	1x10 ⁸
37328	.16	40	1x10 ⁸
37329	.06	50	1x10 ⁸
37330	.1	50	1x10 ⁸
37331	.15	50	8x10 ⁷
37332	.04	60	1x10 ⁸
37333	.07	60	1x10 ⁸
37334	.1	60	8x10 ⁷
37335	.08	70	8x10 ⁷
37336	.06	80 †	8x10 ⁷

OPERATING ENVIRONMENT

† Dielectric gas @ 14 PSIA min. or oil
Up to 75 kV — Lab air at sea level
Operating position — upright or horizontal

SINGLE-ENDED PLASTIC CASE CAPACITORS

ind < 20% VR

PEAK CURRENT★ (AT 20% VR) (KA)	RMS CURRENT★★ (AT 20% VR) (AMPS)	OPERATING TEMPERATURE RANGE (°C)	APPROX. INDUCTANCE (nH)	CASE SIZE INCHES	MILLIMETERS	APPROX. WEIGHT LBS.	KG.	OUTLINE DETAIL
25	25	-10 to +40	17-25	2.3x5.9x9.8	58x150x248	6.0	2.7	A
25	25	-10 to +40	17-25	2.3x5.9x11.8	58x150x299	7.5	3.4	A
25	25	-10 to +40	17-25	2.3x5.9x27.8	58x150x705	18.5	8.4	A
25	25	-10 to +40	17-25	2.3x5.9x27.8	58x150x705	18.5	8.4	A
50	25	-10 to +40	40-60	4.0x6.0x29.0	102x153x737	33.0	15.0	C
25	25	-10 to +40	17-25	2.3x5.9x9.8	58x150x248	6.0	2.7	A
25	25	-10 to +40	17-25	2.3x5.9x11.8	58x150x299	7.5	3.4	A
50	25	-10 to +40	40-60	4.0x6.0x11.0	102x153x280	10.0	4.5	C
25	25	-10 to +40	17-25	2.3x5.9x27.8	58x150x705	18.5	8.4	A
25	25	-10 to +40	40-60	4.0x6.0x29.0	102x153x737	33.0	15.0	C
25	25	-10 to +40	40-60	4.0x6.0x29.0	102x153x737	33.0	15.0	C
25	25	-10 to +40	17-25	2.3x5.9x10.8	58x150x274	6.5	3.0	B
25	25	-10 to +40	17-25	2.3x5.9x28.8	58x150x731	19.0	8.6	B
50	25	-10 to +40	40-60	4.0x6.0x29.0	102x153x737	33.0	15.0	C
25	25	-10 to +40	40-60	4.0x6.0x29.0	102x153x737	33.0	15.0	C
25	25	-10 to +40	17-25	2.3x5.9x10.8	58x150x274	6.5	3.0	B
25	25	-10 to +40	40-60	4.0x6.0x11.0	102x153x280	10.0	4.5	C
25	25	-10 to +40	17-25	2.3x5.9x12.8	58x150x324	8.0	3.6	B
25	25	-10 to +40	17-25	2.3x5.9x28.8	58x150x731	19.0	8.6	B
35	25	-10 to +40	40-60	4.0x6.0x29.0	102x153x737	33.0	15.0	C

R GREATER — At Rated Voltage, 25°C and < 20% VR***

PEAK CURRENT★ (AT 20% VR) (KA)	RMS CURRENT★★ (AT 20% VR) (AMPS)	OPERATING TEMPERATURE RANGE (°C)	APPROX. INDUCTANCE (nH)	CASE SIZE INCHES	MILLIMETERS	APPROX. WEIGHT LBS.	KG.	OUTLINE DETAIL
50	25	-30 to +65	15	2.3x5.9x8.5	58x150x216	5.0	2.3	A
50	30	-30 to +65	15	2.3x5.9x9.8	58x150x249	6.0	2.7	A
50	25	-30 to +65	15	2.3x5.9x8.5	58x150x216	5.0	2.3	A
50	35	-30 to +65	15	2.3x5.9x14.5	58x150x368	9.0	4.1	A
50	45	-30 to +65	15	2.3x5.9x18.5	58x150x470	11.5	5.2	A
50	30	-30 to +65	15	2.3x5.9x9.8	58x150x249	6.0	2.7	A
50	30	-30 to +65	15	2.3x5.9x9.8	58x150x249	6.0	2.7	A
50	30	-30 to +65	15	2.3x5.9x9.8	58x150x249	6.0	2.7	A
50	35	-30 to +65	15	2.3x5.9x14.5	58x150x368	9.0	4.1	A
50	45	-30 to +65	15	2.3x5.9x18.5	58x150x470	11.5	5.2	A
50	35	-30 to +65	15	2.3x5.9x14.5	58x150x368	9.0	4.1	A
50	45	-30 to +65	15	2.3x5.9x19.5	58x150x495	12.0	5.4	B
50	50	-30 to +65	15	2.3x5.9x27.5	58x150x699	17.0	7.7	B
50	35	-30 to +65	15	2.3x5.9x15.5	58x150x394	9.5	4.3	B
50	45	-30 to +65	15	2.3x5.9x19.5	58x150x495	12.0	5.4	B
50	50	-30 to +65	15	2.3x5.9x27.5	58x150x699	17.0	7.7	B
50	50	-30 to +65	15	2.3x5.9x27.5	58x150x699	17.0	7.7	B
50	50	-30 to +65	15	2.3x5.9x27.5	58x150x699	17.0	7.7	B

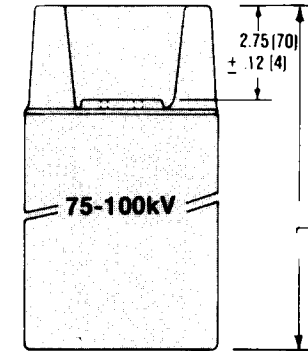
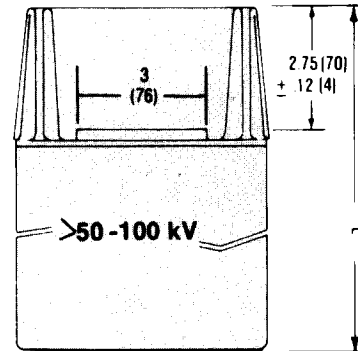
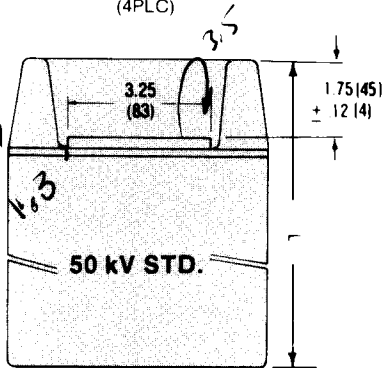
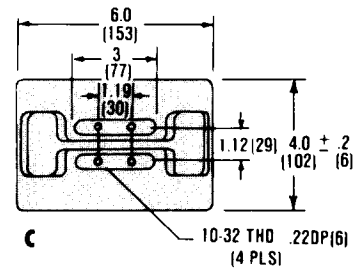
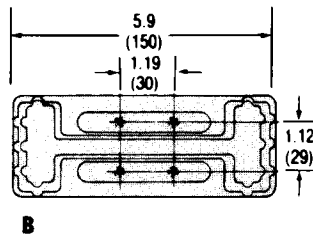
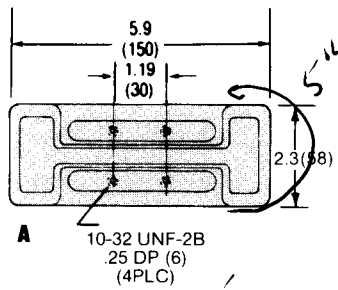
* Single discharge peak current up to rating given in table.

** Maximum RMS current rating up to value given in table.

***Maximum repetition rates are a function of operating voltage, voltage reversal and RMS current.

NOTES: Pulse capacitors are not intended for extended D.C. service ■ Design life is given in charge/discharge cycles with 90% survivability at <20% voltage reversal, maximum voltage and peak/RMS current ratings given in the tables ■ See graphs for life rating curves ■ For storage and operating temperatures exceeding the given values, consult Maxwell ■ For repetition rate operation in environments exceeding 25° C, consult Maxwell ■ Specifications are subject to change without notice.

PLASTIC CASE CAPACITORS



Dimensions apply to model numbers in this brochure only. For custom designs, consult Maxwell.

