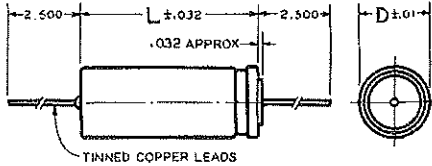
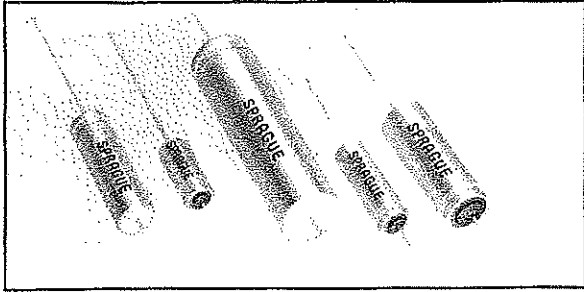


TYPE 39D POWERLYTIC® ELECTROLYTICS

RECOMMENDED FOR REPLACEMENT APPLICATIONS

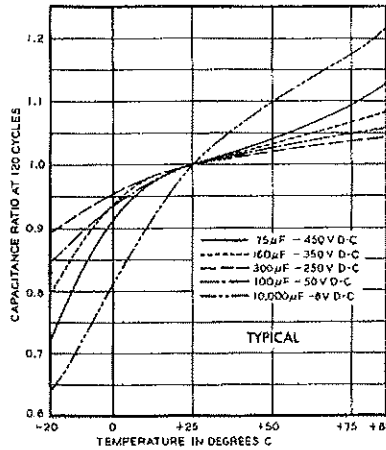
- Designed for applications requiring greatest possible capacitance in small physical case sizes.
- Supplement original Type 36D can-type capacitors, offering lower capacitance values in smaller sizes with axial leads.
- Welds at all critical anode and cathode terminals eliminate riveted or pressure connections to assure freedom from open circuits even when operated in the microvolt or millivolt signal range.
- Improved molded phenolic and seals.
- Pressure-sensitive safety vent.
- Service life of 10 yrs. or more in normal circuit applications.
- Capacitors listed have outer plastic-film insulation. For bare case, change last character of catalog number from 4 to 0, and subtract .062" from diameter and .125" from length.
- For complete technical data, see latest issue of Engineering Bulletin 3415.



DIMENSIONS (in inches)*

Size Code	D	L	Size Code	D	L
EE	0.562	1.250	HE	0.937	1.250
EJ	0.562	1.750	HJ	0.937	1.750
EL	0.562	2.250	HL	0.937	2.250
FE	0.687	1.250	HP	0.937	2.750
FJ	0.687	1.750	HS	0.937	3.250
FL	0.687	2.250	JE	1.062	1.250
FP	0.687	2.750	JJ	1.062	1.750
GE	0.812	1.250	JL	1.062	2.250
GJ	0.812	1.750	JP	1.062	2.750
GL	0.812	2.250	JS	1.062	3.250
GP	0.812	2.750	JT	1.062	3.750

CAPACITANCE vs. TEMPERATURE



PERFORMANCE CHARACTERISTICS

1. Operating Temperature Range: -20°C to +85°C.
2. Capacitance Tolerance: 3 to 75 WVDC capacitors ... +75, -10%; 100 to 450 WVDC capacitors ... +50, -10%.
3. Dissipation Factor: (At 25°C) 3 and 6 WVDC capacitors, 230%; 10 and 15 WVDC capacitors, 150%; 25 and 30 WVDC capacitors, 60%; 40 and 50 WVDC capacitors, 45%; 75 and 100 WVDC capacitors, 30%; 150 to 450 WVDC capacitors, 18%.
4. Ripple Current: 20 to 3140 max. amperes RMS @ 120 Hz and 85°C, depending upon capacitance.
5. Life Test: Satisfactory operation for 500 hours at rated d-c voltage, applied in an oven circulating air, at a temperature of 85°C.

μF	Size Code	Catalog Number	μF	Size Code	Catalog Number	μF	Size Code	Catalog Number
3 WVDC, 4 VDC SURGE			10 WVDC, 12 VDC SURGE			25 WVDC, 30 VDC SURGE		
400	EE	39D407G003EE4	4000	GP	39D408G006GP4	1200	FL	39D128G015FL4
900	EJ	39D907G003EJ4	4200	JJ	39D428G006JJ4	1300	GJ	39D138G015GJ4
1300	EL	39D138G003EL4	6000	HP	39D608G006HP4	1600	FP	39D168G015FP4
1400	GE	39D148G003GE4	6300	JL	39D638G006JL4	1900	GL	39D198G015GL4
1800	FJ	39D188G003FJ4	7500	HS	39D758G006HS4	2500	GP	39D258G015GP4
2100	HE	39D218G003HE4	8500	JP	39D858G006JP4	2600	JJ	39D268G015JJ4
2700	FL	39D278G003FL4	10000	JS	39D109G006JS4	3800	HP	39D388G015HP4
2900	GJ	39D298G003GJ4	12000	JT	39D129G006JT4	4000	JL	39D408G015JL4
3000	JE	39D308G003JE4	15 WVDC, 18 VDC SURGE			4700	HS	39D478G015HS4
3600	FP	39D368G003FP4	250	EE	39D257G010EE4	5300	JP	39D538G015JP4
4200	HJ	39D428G003HJ4	500	EJ	39D507G010EJ4	6600	JS	39D668G015JS4
4300	GL	39D438G003GL4	800	EL	39D807G010EL4	8000	JT	39D808G0105JT4
5700	GP	39D578G003GP4	850	GE	39D857G010GE4			
6000	JJ	39D608G003JJ4	1000	FJ	39D108G010FJ4			
8500	HP	39D858G003HP4	1200	HE	39D128G010HE4			
9000	JL	39D908G003JL4	1600	FL	39D168G010FL4	100	EE	39D107G025EE4
10000	HS	39D109G003HS4	1700	GJ	39D178G010GJ4	200	EJ	39D207G025EJ4
12000	JP	39D129G003JP4	2100	FP	39D218G010FP4	350	EL	39D357G025EL4
15000	JS	39D159G003JS4	2500	GL	39D258G010GL4	450	FJ	39D457G025FJ4
18000	JT	39D189G003JT4	3400	GP	39D348G010GP4	500	HE	39D507G025HE4
			3500	JJ	39D358G010JJ4	700	FL	39D707G025FL4
			5000	HP	39D508G010HP4	750	GJ	39D757G025GJ4
			5200	JL	39D528G010JL4	800	JE	39D807G025JE4
			6300	HS	39D638G010HS4	950	FP	39D957G025FP4
			7100	JP	39D718G010JP4	1000	GL	39D108G025GL4
			8800	JS	39D888G010JS4	1100	HJ	39D118G025HJ4
			10000	JT	39D109G010JT4	1500	GP	39D158G025GP4
						1600	JJ	39D168G025JJ4
						1700	HL	39D178G025HL4
						2200	HP	39D228G025HP4
						2400	JL	39D248G025JL4
						2800	HS	39D288G025HS4
						3200	JP	39D328G025JP4
						4000	JS	39D408G025JS4
						4700	JT	39D478G025JT4



TYPE 39D POWERLYTIC® ELECTROLYTICS, continued

μ F	Size Code	Catalog Number	μ F	Size Code	Catalog Number	μ F	Size Code	Catalog Number
30 WVDC, 40 VDC SURGE			100 WVDC, 125 VDC SURGE			300 WVDC, 350 VDC SURGE		
75	EE	39D756G030EE4	15	EE	39D156F100EE4	50	JE	39D506F250JE4
150	EJ	39D157G030EJ4	35	EJ	39D356F100EJ4	60	FP	39D606F250FP4
250	EL	39D257G030EL4	55	EL	39D556F100EL4	70	GL	39D706F250GL4
350	FJ	39D357G030FJ4	60	GE	39D606F100GE4	95	GP	39D956F250GP4
400	HE	39D407G030HE4	75	FJ	39D756F100FJ4	100	HL	39D107F250HL4
500	FL	39D507G030FL4	90	HE	39D906F100HE4	140	HP	39D147F250HP4
600	JE	39D607G030JE4	110	FL	39D117F100FL4	150	JL	39D157F250JL4
700	FP	39D707G030FP4	120	GJ	39D127F100GJ4	180	HS	39D187F250HS4
850	GL	39D857G030GL4	130	JE	39D137F100JE4	200	JP	39D207F250JP4
1100	GP	39D118G030GP4	150	FP	39D157F100FP4	250	JS	39D257F250JS4
1200	HL	39D128G030HL4	180	HJ	39D187F100HJ4	300	JT	39D307F250JT4
1700	HP	39D178G030HP4	190	GL	39D197F100GL4	300 WVDC, 350 VDC SURGE		
1800	JL	39D188G030JL4	250	GP	39D257F100GP4	5	EE	39D505F300EE4
2100	HS	39D218G030HS4	260	JJ	39D267F100JJ4	10	EJ	39D106F300EJ4
2400	JP	39D248G030JP4	280	HL	39D287F100HL4	15	EL	39D156F300EL4
3000	JS	39D308G030JS4	370	HP	39D377F100HP4	20	FJ	39D206F300FJ4
3600	JT	39D368G030JT4	390	JL	39D397F100JL4	25	HE	39D256F300HE4
40 WVDC, 50 VDC SURGE			460	HS	39D467F100HS4	30	FL	39D306F300FL4
75	EE	39D756G040EE4	520	JP	39D527F100JP4	40	FP	39D406F300FP4
150	EJ	39D157G040EJ4	650	JS	39D657F100JS4	50	GL	39D506F300GL4
200	EL	39D207G040EL4	780	JT	39D787F100JT4	65	GP	39D656F300GP4
250	GE	39D257G040GE4	150 WVDC, 175 VDC SURGE			75	HL	39D756F300HL4
300	FJ	39D307G040FJ4	10	EE	39D106F150EE4	100	HP	39D107F300HP4
350	HE	39D357G040HE4	25	EJ	39D256F150EJ4	120	HS	39D127F300HS4
450	FL	39D457G040FL4	40	EL	39D406F150EL4	130	JP	39D137F300JP4
500	GJ	39D507G040GJ4	50	FJ	39D506F150FJ4	170	JS	39D177F300JS4
600	FP	39D607G040FP4	60	HE	39D606F150HE4	200	JT	39D207F300JT4
750	GL	39D757G040GL4	80	FL	39D806F150FL4	350 WVDC, 400 VDC SURGE		
1000	GP	39D108G040GP4	85	GJ	39D856F150GJ4	4	EE	39D405F350EE4
1100	HL	39D118G040HL4	88	JE	39D886F150JE4	8	EJ	39D805F350EJ4
1500	HP	39D158G040HP4	100	FP	39D107F150FP4	12	EL	39D126F350EL4
1600	JL	39D168G040JL4	120	GL	39D127F150GL4	15	FJ	39D156F350FJ4
1900	HS	39D198G040HS4	170	GP	39D177F150GP4	20	FL	39D206F350FL4
2100	JP	39D218G040JP4	190	HL	39D197F150HL4	25	GJ	39D256F350GJ4
2600	JS	39D268G040JS4	250	HP	39D257F150HP4	30	FP	39D306F350FP4
3200	JT	39D328G040JT4	260	JL	39D267F150JL4	40	GL	39D406F350GL4
50 WVDC, 65 VDC SURGE			310	HS	39D317F150HS4	50	GP	39D506F350GP4
50	EE	39D506G050EE4	350	JP	39D357F150JP4	60	HL	39D606F350HL4
100	EJ	39D107G050EJ4	440	JS	39D447F150JS4	80	HP	39D806F350HP4
150	EL	39D157G050EL4	530	JT	39D537F150JT4	100	HS	39D107F350HS4
200	FJ	39D207G050FJ4	200 WVDC, 250 VDC SURGE			110	JP	39D117F350JP4
250	HE	39D257G050HE4	9	EE	39D905F200EE4	130	JS	39D137F350JS4
350	FL	39D357G050FL4	15	EJ	39D156F200EJ4	160	JT	39D167F350JT4
450	FP	39D457G050FP4	25	EL	39D256F200EL4	400 WVDC, 475 VDC SURGE		
500	GL	39D507G050GL4	30	GE	39D306F200GE4	2	EE	39D205F400EE4
700	GP	39D707G050GP4	35	FJ	39D356F200FJ4	5	EJ	39D505F400EJ4
750	JJ	39D757G050JJ4	40	HE	39D406F200HE4	10	FJ	39D106F400FJ4
800	HL	39D807G050HL4	55	FL	39D556F200FL4	15	FL	39D156F400FL4
1100	HP	39D118G050HP4	60	GJ	39D606F200GJ4	20	FP	39D206F400FP4
1300	HS	39D138G050HS4	75	FP	39D756F200FP4	25	GL	39D256F400GL4
1500	JP	39D158G050JP4	80	HJ	39D806F200HJ4	35	GP	39D356F400GP4
1900	JS	39D198G050JS4	90	GL	39D906F200GL4	40	HL	39D406F400HL4
2300	JT	39D238G050JT4	120	GP	39D127F200GP4	55	HP	39D556F400HP4
75 WVDC, 95 VDC SURGE			130	HL	39D137F200HL4	65	HS	39D656F400HS4
30	EE	39D306G075EE4	170	HP	39D177F200HP4	75	JP	39D756F400JP4
75	EJ	39D756G075EJ4	180	JL	39D187F200JL4	90	JS	39D906F400JS4
100	EL	39D107G075EL4	220	HS	39D227F200HS4	110	JT	39D117F400JT4
150	FJ	39D157G075FJ4	250	JP	39D257F200JP4	450 WVDC, 525 VDC SURGE		
200	FL	39D207G075FL4	310	JS	39D317F200JS4	1	EE	39D105F450EE4
250	JE	39D257G075JE4	370	JT	39D377F200JT4	3	EJ	39D305F450EJ4
300	FP	39D307G075FP4	250 WVDC, 300 VDC SURGE			5	EL	39D505F450EL4
350	GL	39D357G075GL4	7	EE	39D705F250EE4	10	FL	39D106F450FL4
450	GP	39D457G075GP4	15	EJ	39D156F250EJ4	15	FP	39D156F450FP4
500	HL	39D507G075HL4	20	EL	39D206F250EL4	20	GL	39D206F450GL4
700	HP	39D707G075HP4	30	FJ	39D306F250FJ4	25	GP	39D256F450GP4
750	JL	39D757G075JL4	35	HE	39D356F250HE4	35	HP	39D356F450HP4
850	HS	39D857G075HS4	45	HS	39D456F250HS4	45	HS	39D456F450HS4
1000	JP	39D108G075JP4	50	JP	39D506F250JP4	50	JP	39D506F450JP4
1200	JS	39D128G075JS4	55	JE	39D556F250JE4	65	JS	39D656F450JS4
1500	JT	39D158G075JT4	65	FL	39D656F250FL4	75	JT	39D756F450JT4