

## 1.1.1 GTO Snubber Capacitors :

STG series

### Applications :

GTO Snubbing and protection, Thyristor controlled rectifier circuits, High Current Snubber circuit, damping of voltage spikes on GTO-Thyristor.

Traction application and Static Drive, Pulsed Lasers, Medium Frequency tuning

High ripple current and high dv/dt application.

### Properties :

Very Low ESR, medium frequency range, High RMS Current Rating, High Pulse

Current Rating dv/dt, High Voltage Capabilities,

Temperature up to 105C, High Insulation Resistance and

Flame Retardant Construction

### Electrical Characteristics :

Rated Voltage : 400Vdc - 6800Vdc / 160Vrms - 2400Vrms

Capacitance range : 0.15 - 220uF ( can be customized )

Ripple RMS Current up to 85A

### Other Electrical Characteristics :

Capacitance Tolerance : +/-5%; +/-10%

Operating Temperature : -25C - +70C

-25 - +85C

-40C - +105C ( depends on capacitor raw materials )

Testing Voltage Terminal to Terminal : Vsurge 10 sec ( can be customized )

Testing Voltage Terminal to Case : 4500Vac at 105C 1min.

Support higher voltage requirement

Insulation Resistance :250Vdc +25C >= 300,000Mohm

250Vdc +85C >= 50,000Mohm

250Vdc +105C >= 5,000Mohm

Reference Standard : IEC61071

### Specifications and Size :

**STG-A Vndc = 400V / Vrms = 160Vac / Vpeak = 230V 10s / Vsurge = 650V 30s/day**

Part Number	Cn uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms max. 70C	Irms at max. temperature 85C	d (mm)
STG-A256J400D	25	65	45	2.1	25	40	1000	42	19	M6
STG-A306J400D	30	65	45	1.9	25	40	1200	47	21	M6
STG-A336J400D	33	65	58	2.2	38	25	825	45	21	M6
STG-A506J400D	50	90	58	1.8	38	25	1250	60	27	M8
STG-A756J400D	75	90	58	1.5	38	25	1875	70	33	M8
STG-A107J400D	100	90	58	1.6	38	25	2500	70	31	M8
STG-A117J400D	110	90	58	1.6	38	25	2750	70	34	M8
STG-A227J400D	220	90	96	1.9	80	12	2640	70	31	M8

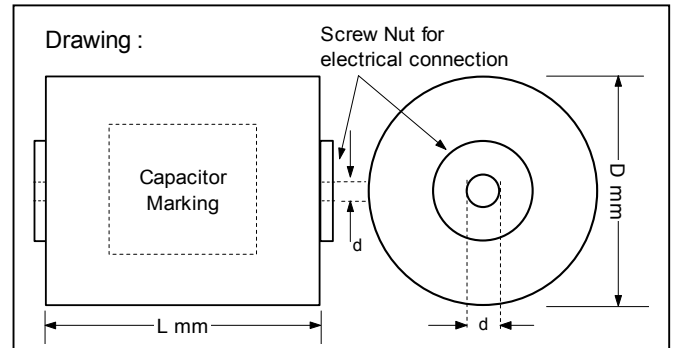
**STG-A Vndc = 600V / Vrms = 220Vac / Vpeak = 310V 10s / Vsurge = 900V 30s/day**

Part Number	Cn uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms max. 70C	Irms at max. temperature 85C	d (mm)
STG-A126J600D	12	65	45	2.2	25	60	720	38	20	M6
STG-A156J600D	15	65	45	2.0	25	60	900	44	25	M6
STG-A226J600D	22	90	45	1.7	25	60	1320	52	37	M6
STG-A256J600D	25	90	45	1.6	25	60	1500	55	42	M8
STG-A336J600D	33	90	58	1.7	38	50	1650	47	25	M8
STG-A506J600D	50	90	58	1.6	38	50	2500	62	33	M8
STG-A107J600D	100	90	96	2.5	80	22	2200	57	30	M8

**STG-A Vndc = 700V / Vrms = 250Vac / Vpeak = 350V 10s / Vsurge = 1100V 30s/day**

Part Number	Cn uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms max. 70C	Irms max. 85C	Irms max. 105C	D (mm)
STG-A755J700D	7.5	65	45	2.2	25	80	600	35	26	19	M6
STG-A106J700D	10	65	45	2.0	25	80	800	44	33	24	M6
STG-A156J700D	15	90	45	1.6	25	80	1200	53	40	29	M6
STG-A206J700D	20	90	58	1.7	38	60	1200	46	35	25	M6
STG-A256J700D	25	90	58	1.6	38	60	1500	58	43	32	M8
STG-A336J700D	33	90	58	1.4	38	60	1980	62	47	34	M8
STG-A506J700D	50	90	96	2.6	80	25	1250	48	36	26	M8

For 105C, other Voltage and Current requirement, please contact our sales colleagues.



**STG-01A V<sub>ndc</sub> = 850V / V<sub>rms</sub> = 320Vac / V<sub>peak</sub> = 450V 10s / V<sub>surge</sub> = 1300V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 70C	Irms max. 85C	d (mm)
STG-01A205J850D	2	65	50	1.5	11	800	1600	38	30	20	12	M6
STG-01A225J850D	2.2	65	50	1.5	11	800	1760	40	35	23	13	M6
STG-01A255J850D	2.5	65	50	1.2	11	800	2000	45	38	25	15	M6
STG-01A305J850D	3	65	50	1.2	11	800	2400	55	45	30	18	M6
STG-01A405J850D	4	65	50	1.0	11	800	3200	70	60	40	25	M6
STG-01A505J850D	5	65	50	1.0	11	800	4000	80	70	50	30	M6
STG-01A605J850D	6	65	62	1.0	15	440	2640	60	50	35	20	M6
STG-01A805J850D	8	65	62	0.8	15	440	3520	80	70	45	25	M6

**STG-A V<sub>ndc</sub> = 850V / V<sub>rms</sub> = 330Vac / V<sub>peak</sub> = 470V 10s / V<sub>surge</sub> = 1300V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms max. 70C	Irms max. 85C	Irms max. 105C	d (mm)
STG-A605J850D	6	65	51	2.2	25	100	600	34	26	21	M6
STG-A805J850D	8	90	51	1.8	25	100	800	42	32	26	M6
STG-A106J850D	10	90	51	1.7	25	100	1000	50	40	33	M6
STG-A156J850D	15	90	62	1.7	38	80	1200	50	35	27	M6
STG-A206J850D	20	90	62	1.4	38	80	1600	50	47	36	M6
STG-A256J850D	25	90	62	1.6	38	80	2000	50	48	35	M6
STG-A606J850D	60	90	92	2.5	80	30	1800	55	41	30	M6

**STG-01A V<sub>ndc</sub> = 900V / V<sub>rms</sub> = 280Vac / V<sub>peak</sub> = 400V 10s / V<sub>surge</sub> = 1440V 10s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A225J900D	2.2	65	47	2.2	20	720	1584	35	11	7	M6
STG-01A335J900D	3.3	65	59	2.4	20	400	1320	30	9	6	M6
STG-01A475J900D	4.7	65	59	2.3	20	400	1880	35	11	7	M6
STG-01A685J900D	6.8	65	67	2.0	20	300	2040	40	12	8	M6
STG-01A106J900D	10	65	67	1.9	20	300	3000	45	14	9	M8
STG-01A156J900D	15	65	77	1.7	20	250	3750	50	15	10	M8
STG-01A226J900D	22	90	165	2.0	35	250	5500	60	24	15	M8
STG-01A336J900D	33	90	225	2.0	23	250	8250	80	32	20	M8
STG-01A406J900D	40	90	225	1.7	23	250	10000	80	32	20	M8
STG-01A506J900D	50	90	275	1.9	18	250	12500	80	32	20	M8
STG-01A606J900D	60	90	275	1.7	18	250	15000	80	32	20	M8

**STG-01A V<sub>ndc</sub> = 1000V / V<sub>rms</sub> = 300Vac / V<sub>peak</sub> = 450V 10s / V<sub>surge</sub> = 1600V 10s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A225J1000D	2.2	65	47	2.2	20	880	1936	35	11	7	M6
STG-01A335J1000D	3.3	65	59	2.4	20	490	1617	30	9	6	M6
STG-01A475J1000D	4.7	65	59	2.0	20	490	2303	40	12	8	M6
STG-01A685J1000D	6.8	65	67	2.0	20	400	2720	40	12	8	M6
STG-01A755J1000D	7.5	65	67	1.7	20	400	3000	45	14	9	M8
STG-01A106J1000D	10	65	77	1.7	20	300	3000	45	14	9	M8
STG-01A126J1000D	12	90	165	1.9	29	300	3600	50	20	13	M8
STG-01A156J1000D	15	90	165	1.9	29	300	4500	60	24	15	M8
STG-01A226J1000D	22	90	165	1.7	35	300	6600	70	28	18	M8
STG-01A256J1000D	25	90	225	1.9	23	300	7500	80	32	20	M8
STG-01A306J1000D	30	90	225	1.7	23	300	9000	80	32	20	M8
STG-01A336J1000D	33	90	225	1.7	23	300	9900	80	32	20	M8
STG-01A356J1000D	35	90	275	1.9	18	300	10500	80	32	20	M8
STG-01A406J1000D	40	90	275	1.7	18	300	12000	80	32	20	M8

**STG-01A V<sub>ndc</sub> = 1200V / V<sub>rms</sub> = 390Vac / V<sub>peak</sub> = 550V 10s / V<sub>surge</sub> = 1800V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 70C	Irms max. 85C	d (mm)
STG-01A105J1200D	1	65	50	1.6	11	1200	1200	30	25	16.5	10	M6
STG-01A155J1200D	1.5	65	50	1.5	11	1200	1800	45	35	25	15	M6
STG-01A205J1200D	2	65	50	1.2	11	1200	2400	60	50	33	18	M6
STG-01A225J1200D	2.2	65	50	1.2	11	1200	2640	65	55	35	20	M6
STG-01A255J1200D	2.5	65	62	1.2	15	620	1550	70	35	23	13	M6
STG-01A305J1200D	3	65	62	1.0	15	620	1860	50	40	27	16	M6
STG-01A355J1200D	3.5	65	62	1.0	15	620	2170	55	45	30	18	M6
STG-01A405J1200D	4	65	62	0.8	15	620	2480	65	55	35	22	M6

For 105C, other Voltage and Current requirement, please contact our sales colleagues.

**STG-A V<sub>ndc</sub> = 1200V / V<sub>rms</sub> = 440Vac / V<sub>peak</sub> = 630V 10s / V<sub>surge</sub> = 1800V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter r D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms at max. temperature 105C	d (mm)
STG-A255J1200D	2.5	65	58	1.8	25	300	750	45	40	24	M8
STG-A305J1200D	3	65	58	1.7	25	300	900	50	46	27	M8
STG-A505J1200D	5	90	58	1.6	25	300	1500	70	53	37	M8
STG-A605J1200D	6	90	58	1.5	25	300	1800	70	64	45	M8
STG-A805J1200D	8	90	65	1.4	27	250	2000	65	48	34	M8
STG-A106J1200D	10	90	65	1.4	27	250	2500	70	45	32	M8
STG-A126J1200D	12	90	65	1.3	27	250	3000	70	54	41	M8
STG-A206J1200D	20	90	92	1.3	65	160	3200	70	52	36	M8
STG-A256J1200D	25	90	92	1.6	65	160	4000	70	56	40	M8

**STG-01A V<sub>ndc</sub> = 1300V / V<sub>rms</sub> = 400Vac / V<sub>peak</sub> = 580V 10s / V<sub>surge</sub> = 2100V 10s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A225J1300D	2.2	65	59	2.3	20	680	1496	30	9	6	M6
STG-01A335J1300D	3.3	65	67	1.7	20	520	1716	40	12	8	M6
STG-01A475J1300D	4.7	65	67	1.8	20	520	2444	45	14	9	M8
STG-01A685J1300D	6.8	90	165	2.2	25	520	3536	50	20	13	M8
STG-01A755J1300D	7.5	90	165	1.9	29	520	3900	50	20	13	M8
STG-01A106J1300D	10	90	165	1.9	35	400	4000	55	22	14	M8
STG-01A126J1300D	12	90	165	1.7	35	400	4800	60	24	15	M8
STG-01A156J1300D	15	90	225	1.9	23	400	6000	70	28	18	M8
STG-01A206J1300D	20	90	275	1.9	18	400	8000	80	32	20	M8
STG-01A226J1300D	22	90	275	1.7	18	400	8800	80	32	20	M8
STG-01A256J1300D	25	90	275	1.7	18	400	10000	80	32	20	M8

**STG-A V<sub>ndc</sub> = 1400V / V<sub>rms</sub> = 500Vac / V<sub>peak</sub> = 700V 10s / V<sub>surge</sub> = 2100V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A125J1400D	1.2	65	53	2.1	8.5	530	636	22	18	16	7.5	M6
STG-A155J1400D	1.5	65	53	2.0	8.5	530	795	27	23	19	9	M6
STG-A225J1400D	2.2	65	53	2.0	8.5	530	1166	33	28	23	11	M6
STG-A255J1400D	2.5	65	53	1.8	8.5	530	1325	37	32	27	12	M6
STG-A305J1400D	3	65	53	1.8	8.5	530	1590	37	32	25	12	M6
STG-A405J1400D	4	65	53	1.5	8.5	530	2120	45	40	33	16	M6
STG-A505J1400D	5	90	53	1.4	8.5	530	2650	60	50	40	20	M6
STG-A605J1400D	6	90	53	1.2	8.5	530	3180	70	60	50	25	M8
STG-A705J1400D	7	90	53	1.1	8.5	530	3710	70	60	50	25	M8
STG-A805J1400D	8	90	53	0.9	8.5	530	4240	70	60	50	25	M8

**STG-02A V<sub>ndc</sub> = 1500V / V<sub>rms</sub> = 300Vac / V<sub>peak</sub> = 430V 10s / V<sub>surge</sub> = 2250V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms at max. temperature 70C	d (mm)
STG-02A254J1500D	0.25	65	57	2.1	16	2400	600	40	M8
STG-02A304J1500D	0.3	65	57	1.6	16	2400	720	40	M8
STG-02A504J1500D	0.5	65	57	1.4	16	2400	1200	45	M8
STG-02A684J1500D	0.68	65	57	1.4	16	2400	1632	50	M8
STG-02A105J1500D	1	65	57	1.3	16	2400	2400	50	M8
STG-02A155J1500D	1.5	65	57	1.3	16	2400	3600	60	M8
STG-02A205J1500D	2	90	57	1.2	16	2400	4800	75	M8
STG-02A255J1500D	2.5	90	57	1.1	16	2400	6000	85	M8

**STG-01A V<sub>ndc</sub> = 1500V / V<sub>rms</sub> = 450Vac / V<sub>peak</sub> = 640V 10s / V<sub>surge</sub> = 2400V 10s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A225J1500D	2.2	65	67	1.9	20	660	1452	35	11	7	M6
STG-01A335J1500D	3.3	65	67	1.7	20	660	2178	40	12	8	M6
STG-01A405J1500D	4	65	77	1.7	20	500	2000	40	12	8	M6
STG-01A455J1500D	4.5	65	77	1.7	20	500	2250	45	14	9	M8
STG-01A685J1500D	6.8	90	165	1.7	29	500	3400	55	22	14	M8
STG-01A755J1500D	7.5	90	165	1.8	35	500	3750	55	22	14	M8
STG-01A106J1500D	10	90	225	1.8	23	500	5000	70	28	18	M8
STG-01A126J1500D	12	90	225	1.7	23	500	6000	70	28	18	M8
STG-01A156J1500D	15	90	275	1.8	18	500	7500	80	32	20	M8
STG-01A186J1500D	18	90	275	1.7	18	500	9000	80	32	20	M8

For 105C, other Voltage and Current requirement, please contact our sales colleagues.

**STG-A V<sub>ndc</sub> = 1500V / V<sub>rms</sub> = 500Vac / V<sub>peak</sub> = 700V 10s / V<sub>surge</sub> = 2300V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length h L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms at max. temperature 105C	d (mm)
STG-A205J1500D	2	65	58	1.6	25	450	900	37	28	20	M6
STG-A305J1500D	3	65	58	1.5	25	450	1350	47	33	26	M6
STG-A405J1500D	4	90	58	1.3	25	450	1800	63	44	35	M8
STG-A505J1500D	5	90	65	1.3	27	300	1500	70	49	39	M8
STG-A755J1500D	7.5	90	65	1.3	27	300	2250	75	49	38	M8
STG-A156J1500D	15	90	92	1.8	65	150	2250	65	42	33	M8

**STG-01A V<sub>ndc</sub> = 1600V / V<sub>rms</sub> = 600Vac / V<sub>peak</sub> = 850V 10s / V<sub>surge</sub> = 2400V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 70C	Irms max. 85C	d (mm)
STG-01A504J3500D	0.5	45	116	8	30	400	200	10	17	11	6	M6
STG-01A684J1600D	0.68	65	50	1.6	11	1500	1020	25	21	14	8	M6
STG-01A105J1600D	1	65	50	1.5	11	1500	1500	35	30	20	12	M6
STG-01A125J1600D	1.2	65	50	1.5	11	1500	1800	45	35	25	15	M6
STG-01A155J1600D	1.5	65	50	1.5	11	1500	2250	55	45	30	18	M6
STG-01A205J1600D	2	65	62	1.2	15	840	1680	40	35	23	13	M6
STG-01A225J1600D	2.2	65	62	1.2	15	840	1848	45	35	25	15	M6
STG-01A255J1600D	2.5	65	62	1.0	15	840	2100	50	40	27	16	M6

**STG-01A V<sub>ndc</sub> = 1700V / V<sub>rms</sub> = 530Vac / V<sub>peak</sub> = 750V 10s / V<sub>surge</sub> = 2720V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A225K1700D	2.2	65	80	1.2	25	1200	2640	50	37	25	M6
STG-01A255K1700D	2.5	65	105	1.3	35	680	1700	45	33	22	M6
STG-01A305K1700D	3	65	105	1.5	35	680	2040	45	33	22	M6
STG-01A405K1700D	4	65	120	1.5	40	520	2080	45	33	22	M6
STG-01A505K1700D	5	65	140	1.5	50	400	2000	45	33	22	M6
STG-01A605K1700D	6	65	140	1.3	50	400	2400	55	40	26	M6
STG-01A755K1700D	7.5	90	140	1.1	50	400	3000	60	45	30	M8

**STG-A V<sub>ndc</sub> = 1700V / V<sub>rms</sub> = 650Vac / V<sub>peak</sub> = 920V 10s / V<sub>surge</sub> = 2600V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A125J1700D	1.25	65	53	2.1	8.5	845	1056	22	18	16	7.5	M6
STG-A155J1700D	1.5	65	53	1.9	8.5	845	1268	27	23	19	9	M6
STG-A205J1700D	2	65	53	1.9	8.5	845	1690	30	25	21	10	M6
STG-A225J1700D	2.2	65	53	1.7	8.5	845	1859	33	28	23	11.5	M6
STG-A255J1700D	2.5	65	53	1.5	8.5	845	2113	37	32	27	12	M6
STG-A305J1700D	3	65	53	1.3	8.5	845	2535	45	39	32	13	M6
STG-A405J1700D	4	90	53	1.1	8.5	845	3380	60	50	40	20	M6
STG-A505J1700D	5	90	53	1.0	8.5	845	4225	70	60	50	25	M8

**STG-02A V<sub>ndc</sub> = 1800V / V<sub>rms</sub> = 350Vac / V<sub>peak</sub> = 500V 10s / V<sub>surge</sub> = 2700V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms at max. temperature 70C	d (mm)
STG-02A254J1800D	0.25	65	57	2.1	16	3100	775	40	M8
STG-02A304J1800D	0.3	65	57	1.6	16	3100	930	40	M8
STG-02A504J1800D	0.5	65	57	1.5	16	3100	1550	45	M8
STG-02A684J1800D	0.68	65	57	1.6	16	3100	2108	50	M8
STG-02A105J1800D	1	65	57	1.4	16	3100	3100	55	M8
STG-02A155J1800D	1.5	90	57	1.3	16	3100	4650	60	M8
STG-02A205J1800D	2	90	57	1.2	16	3100	6200	75	M8

**STG-01A V<sub>ndc</sub> = 1800V / V<sub>rms</sub> = 540Vac / V<sub>peak</sub> = 760V 10s / V<sub>surge</sub> = 2900V 10s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A225J1800D	2.2	65	57	1.9	20	800	1760	35	11	7	M6
STG-01A335J1800D	3.3	90	165	2.5	29	800	2640	45	18	11	M8
STG-01A475J1800D	4.7	90	165	2.0	35	620	2914	45	18	11	M8
STG-01A685J1800D	6.8	90	225	2.0	23	620	4216	55	22	14	M8
STG-01A805J1800D	8	90	225	1.8	23	620	4960	55	22	14	M8
STG-01A106J1800D	10	90	275	1.8	18	620	6200	80	32	20	M8
STG-01A126J1800D	12	90	275	1.7	18	620	7440	80	32	20	M8

For 105C, other Voltage and Current requirement, please contact our sales colleagues.

**STG-A V<sub>ndc</sub> = 1800V / V<sub>rms</sub> = 600Vac / V<sub>peak</sub> = 850V 10s / V<sub>surge</sub> = 2700V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 85C	Irms max. 105C	d (mm)
STG-A405J1800D	4	65	92	5.0	55	300	1200	25	18	12	8	M6
STG-A475J1800D	4.7	65	92	5.0	55	300	1410	30	20	15	10	M6
STG-A605J1800D	6	65	92	4.5	55	300	1800	35	25	17	12	M6
STG-A805J1800D	8	65	92	4.5	55	200	1600	40	30	20	14	M6
STG-A106J1800D	10	90	92	4.0	55	300	3000	55	40	30	20	M6
STG-A126J1800D	12	90	92	4.0	55	260	3120	65	50	35	25	M6
STG-A156J1800D	15	90	127	4.0	80	170	2550	50	35	25	17	M6
STG-A186J1800D	18	90	127	4.0	80	170	3060	55	45	30	21	M6
STG-A206J1800D	20	90	127	3.5	80	170	3400	60	50	33	24	M6
STG-A226J1800D	22	90	127	3.5	80	170	3740	60	50	35	25	M6

**STG-01A V<sub>ndc</sub> = 2000V / V<sub>rms</sub> = 650Vac / V<sub>peak</sub> = 920V 10s / V<sub>surge</sub> = 3000V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 70C	Irms max. 85C	d (mm)
STG-01A504J2000D	0.5	65	50	1.6	11	1880	940	22	18	12	7	M6
STG-01A684J2000D	0.68	65	50	1.5	11	1880	1278	30	25	17	10	M6
STG-01A105J2000D	1	65	50	1.2	11	1880	1880	45	35	25	15	M6
STG-01A125J2000D	1.2	65	62	1.6	15	1040	1248	30	25	16	10	M6
STG-01A155J2000D	1.5	65	62	1.5	15	1040	1560	35	30	30	20	M6
STG-01A185J1800D	1.8	65	73	2.2	15	659	1186	36	37	25	15	M8

**STG-02A V<sub>ndc</sub> = 2100V / V<sub>rms</sub> = 400Vac / V<sub>peak</sub> = 570V 10s / V<sub>surge</sub> = 3200V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms at max. temperature 70C	d (mm)
STG-02A254J2100D	0.25	65	57	2.1	16	3900	975	40	M8
STG-02A304J2100D	0.3	65	57	1.9	16	3900	1170	40	M8
STG-02A504J2100D	0.5	65	57	1.8	16	3900	1950	45	M8
STG-02A684J2100D	0.68	65	57	1.6	16	3900	2652	60	M8
STG-02A105J2100D	1	90	57	1.2	16	3900	3900	65	M8
STG-02A125J2100D	1.2	90	57	1.1	16	3900	4680	70	M8

**STG-A V<sub>ndc</sub> = 2100V / V<sub>rms</sub> = 750Vac / V<sub>peak</sub> = 1100V 10s / V<sub>surge</sub> = 3200V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A155J2100D	1.5	65	53	1.6	8.5	1120	1680	27	23	20	9	M6
STG-A205J2100D	2	65	53	1.5	8.5	1120	2240	35	30	25	12	M6
STG-A225J2100D	2.2	90	53	1.5	8.5	1120	2464	35	30	25	12	M6
STG-A255J2100D	2.5	90	53	1.3	8.5	1120	2800	45	39	32	13	M6
STG-A305J2100D	3	90	53	1.1	8.5	1120	3360	50	40	30	15	M6
STG-A355J2100D	3.5	90	53	1.0	8.5	1120	3920	50	40	30	15	M6

**STG-02A V<sub>ndc</sub> = 2500V / V<sub>rms</sub> = 470Vac / V<sub>peak</sub> = 670V 10s / V<sub>surge</sub> = 3750V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms at max. temperature 70C	d (mm)
STG-02A254J2500D	0.25	65	57	2.2	16	5200	1300	40	M8
STG-02A304J2500D	0.3	65	57	2.0	16	5200	1560	40	M8
STG-02A504J2500D	0.5	65	57	1.8	16	5200	2600	50	M8
STG-02A684J2500D	0.68	90	57	1.4	16	5200	3536	60	M8

**STG-01A V<sub>ndc</sub> = 2500V / V<sub>rms</sub> = 700Vac / V<sub>peak</sub> = 1070V 10s / V<sub>surge</sub> = 4000V 10s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A254J2500D	0.25	65	47	2.5	20	2650	662.5	20	6.0	4.0	M6
STG-01A504J2500D	0.5	65	59	2.4	20	1450	725	20	6.0	4.0	M6
STG-01A105J2500D	1	65	67	1.8	20	1100	1100	25	8.8	5.0	M6
STG-01A155J2500D	1.5	65	77	1.7	20	1100	1650	30	9.0	6.0	M6
STG-01A205J2500D	2	90	165	1.9	29	1100	2200	40	16.0	10.0	M6
STG-01A225J2500D	2.2	90	165	1.9	35	880	1936	40	16.0	10.0	M6
STG-01A335J2500D	3.3	90	225	1.9	23	880	2904	55	22.0	13.8	M8
STG-01A405J2500D	4	90	225	1.8	23	880	3520	55	22.0	13.8	M8
STG-01A505J2500D	5	90	275	1.8	18	880	4400	70	28.0	17.5	M8
STG-01A605J2500D	6	90	275	1.7	18	880	5280	70	28.0	17.5	M8

For 105C, other Voltage and Current requirement, please contact our sales colleagues.

**STG-A V<sub>ndc</sub> = 2500V / V<sub>rms</sub> = 900Vac / V<sub>peak</sub> = 1270V 10s / V<sub>surge</sub> = 3800V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 85C	Irms max. 105C	d (mm)
STG-A225J2500D	2.2	65	92	5.0	55	530	1166	25	20	15	10	M6
STG-A335J2500D	3.3	65	92	4.5	55	530	1749	35	25	20	15	M6
STG-A475J2500D	4.7	90	92	4.0	55	530	2491	50	40	30	20	M6
STG-A685J2500D	6.8	90	92	4.0	55	530	3604	70	55	40	30	M6
STG-A805J2500D	8	90	127	4.0	80	300	2400	48	40	30	20	M6
STG-A106J2500D	10	90	127	3.5	80	300	3000	60	50	35	25	M6
STG-A126J2500D	12	90	127	3.5	80	300	3600	70	55	40	30	M6

**STG-A V<sub>ndc</sub> = 2600V / V<sub>rms</sub> = 1000Vac / V<sub>peak</sub> = 1450V 10s / V<sub>surge</sub> = 3900V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A1755J2600D	1.75	65	81	2.5	11	1280	2240	30	25	21	10	M6
STG-A205J2600D	2	65	81	2.2	11	1280	2560	34	29	24	11.5	M6
STG-A225J2600D	2.2	65	81	2.2	11	1280	2816	36	30	25	12	M6
STG-A305J2600D	3	65	122	2.0	20	740	2220	36	30	25	12	M6
STG-A405J2600D	4	65	122	2.0	20	740	2960	40	34	28	13	M6
STG-A505J2600D	5	90	122	1.9	20	740	3700	45	40	35	16	M6
STG-A605J2600D	6	90	122	1.8	20	740	4440	55	50	40	20	M6
STG-A705J2600D	7	90	122	1.6	20	740	5180	70	60	50	25	M8
STG-A805J2600D	8	90	122	1.6	20	740	5920	70	60	50	25	M8

**STG-01A V<sub>ndc</sub> = 2700V / V<sub>rms</sub> = 770Vac / V<sub>peak</sub> = 1100V 10s / V<sub>surge</sub> = 4350V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A205K2700D	2	65	150	1.6	50	1000	2000	35	26	17	M6
STG-01A225K2700D	2.2	65	150	1.3	50	1000	2200	35	26	17	M6
STG-01A255K2700D	2.5	65	173	1.6	60	800	2000	35	26	17	M6
STG-01A335K2700D	3.3	65	205	1.5	75	600	1980	35	26	17	M6
STG-01A405K2700D	4	65	205	1.3	75	600	2400	40	30	20	M6
STG-01A455K2700D	4.5	90	205	1.2	75	600	2700	45	33	21	M6
STG-01A505K2700D	5	90	205	1.1	75	600	3000	50	37	25	M8

**STG-02A V<sub>ndc</sub> = 3000V / V<sub>rms</sub> = 550Vac / V<sub>peak</sub> = 780V 10s / V<sub>surge</sub> = 4500V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms at max. temperature 70C	d (mm)
STG-02A254J3000D	0.25	65	57	2.2	<=16	6500	1625	40	M8
STG-02A304J3000D	0.3	65	57	2.0	<=16	6500	1950	40	M8
STG-02A504J3000D	0.5	90	57	1.8	<=16	6500	3250	50	M8
STG-02A684J3000D	0.68	90	57	1.3	<=16	6500	4420	65	M8

**STG-01A V<sub>ndc</sub> = 3000V / V<sub>rms</sub> = 700Vac / V<sub>peak</sub> = 1000V 10s / V<sub>surge</sub> = 4500V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 70C	Irms max. 85C	d (mm)
STG-01A224J3000D	0.22	65	50	2.0	11	2700	594	15	12	8	5	M6
STG-01A254J3000D	0.25	65	50	1.6	11	2700	675	18	13	9	6	M6
STG-01A334J3000D	0.33	65	50	1.5	11	2700	891	23	18	12	7	M6
STG-01A504J3000D	0.5	65	50	1.2	11	2700	1350	35	28	18	11	M6

**STG-A V<sub>ndc</sub> = 3000V / V<sub>rms</sub> = 1100Vac / V<sub>peak</sub> = 1600V 10s / V<sub>surge</sub> = 4300V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 85C	Irms max. 105C	d (mm)
STG-A225J3000D	2.2	65	92	4.0	55	1180	2596	35	30	25	11	M6
STG-A335J3000D	3.3	65	92	4.0	55	1180	3894	50	45	40	17	M6
STG-A475J3000D	4.7	65	92	4.0	80	676	3177	45	40	30	15	M6
STG-A685J3000D	6.8	90	127	3.5	80	676	2596	60	55	45	20	M6
STG-A805J3000D	8	90	127	3.5	80	676	5408	70	60	50	25	M6

For 105C, other Voltage and Current requirement, please contact our sales colleagues.

**STG-01A V<sub>ndc</sub> = 3100V / V<sub>rms</sub> = 900Vac / V<sub>peak</sub> = 1300V 10s / V<sub>surge</sub> = 5000V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A155K3100D	1.5	65	150	1.6	50	1320	1980	30	22	15	M6
STG-01A205K3100D	2	65	173	1.5	60	1000	2000	30	22	15	M6
STG-01A225K3100D	2.2	65	173	1.3	60	1000	2200	30	22	15	M6
STG-01A255K3100D	2.5	65	173	1.2	60	1000	2500	35	26	17	M6
STG-01A305K3100D	3	65	205	1.3	75	800	2400	35	26	17	M6
STG-01A335K3100D	3.3	90	205	1.2	75	800	2640	35	26	17	M6
STG-01A355K3100D	3.5	90	205	1.1	75	800	2800	40	30	20	M6

**STG-A V<sub>ndc</sub> = 3100V / V<sub>rms</sub> = 1100Vac / V<sub>peak</sub> = 1650V 10s / V<sub>surge</sub> = 4650V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A125J3100D	1.2	65	81	2.5	11	1750	2100	25	21	17	8	M6
STG-A155J3100D	1.5	65	81	2.3	11	1750	2625	29	25	20	10	M6
STG-A255J3100D	2.5	65	122	2.3	20	1000	2500	29	25	20	10	M6
STG-A335J3100D	3.3	65	122	2.2	20	1000	3300	35	30	25	13	M6
STG-A405J3100D	4	90	122	2.1	20	1000	4000	45	40	30	16	M6
STG-A475J3100D	4.7	90	122	1.8	20	1000	4700	55	45	40	18	M6

**STG-01A V<sub>ndc</sub> = 3200V / V<sub>rms</sub> = 780Vac / V<sub>peak</sub> = 1100V 10s / V<sub>surge</sub> = 4800V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-01A204K3500D	0.2	45	85	9	18	400	80	11	8	4.8	2.7	M6
STG-01A254K3200D	0.25	65	93	4.5	32	1450	362	17	12.5	7.5	4	M6
STG-01A334K3200D	0.33	65	93	4.0	32	1450	478	17	12.5	8	4.5	M6
STG-01A504K3200D	0.5	65	93	4.0	32	1450	725	25	20	12	6.5	M6
STG-01A754K3200D	0.75	65	93	3.5	32	1450	1087	40	30	18	10	M6
STG-01A105K3200D	1	65	115	3.5	40	800	800	30	23	13.5	7.5	M6
STG-01A155K3200D	1.5	65	131	3.0	45	650	975	35	26	16	8	M6

**STG-01A V<sub>ndc</sub> = 3500V / V<sub>rms</sub> = 920Vac / V<sub>peak</sub> = 1300V 10s / V<sub>surge</sub> = 5300V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-01A154K3500D	0.15	65	93	5.0	32	1900	285	16	12	7	4	M6
STG-01A254K3500D	0.25	65	93	5.0	32	1900	475	16	12.5	8	4	M6
STG-01A334K3500D	0.33	65	93	4.5	32	1900	627	25	20	12	7	M6
STG-01A504K3500D	0.5	65	93	4.0	32	1900	950	40	30	18	10	M6
STG-01A754K3500D	0.75	65	115	3.5	40	1100	825	30	23	13	7.5	M6
STG-01A105K3500D	1	65	133	3.5	45	825	825	35	26	16	8	M6

**STG-01A V<sub>ndc</sub> = 3600V / V<sub>rms</sub> = 1100Vac / V<sub>peak</sub> = 1600V 10s / V<sub>surge</sub> = 5760V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A155K3600D	1.5	65	193	1.6	70	1355	2032.5	35	24	16	M6
STG-01A205K3600D	2	65	225	1.7	85	1000	2000	35	25	17	M6
STG-01A255K3600D	2.5	65	265	1.6	100	800	2000	35	24	16	M6
STG-01A305K3600D	3	65	265	1.3	100	800	2400	40	30	20	M6
STG-01A355K3600D	3.5	90	265	1.2	100	800	2800	45	35	23	M6
STG-01A405K3600D	4	90	265	1.1	100	800	3200	50	35	23	M8

**STG-A V<sub>ndc</sub> = 4000V / V<sub>rms</sub> = 1400Vac / V<sub>peak</sub> = 2000V 10s / V<sub>surge</sub> = 6000V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 85C	Irms max. 105C	d (mm)
STG-A125J4000D	1.2	65	92	4.5	55	1180	1416	25	20	17	7.5	M6
STG-A155J4000D	1.5	65	92	4.0	55	1180	1770	30	25	18	9.5	M6
STG-A225J4000D	2.2	65	127	4.0	80	676	1487	30	25	18	8	M6
STG-A335J4000D	3.3	65	127	4.0	80	676	2230	37	33	27	12	M6
STG-A475J4000D	4.7	90	127	3.4	80	676	3177	50	45	40	16	M6

**STG-01A V<sub>ndc</sub> = 4500V / V<sub>rms</sub> = 1000Vac / V<sub>peak</sub> = 1450V 10s / V<sub>surge</sub> = 6800V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-01A154K4500D	0.15	65	93	5.0	32	2460	369	20	17	11	3.5	M6
STG-01A254K4500DA1	0.25	65	115	5.0	40	1360	340	19	16	10	3.5	M6
STG-01A334K4500D	0.33	65	115	4.5	40	1360	448	24	20	13	4.5	M6
STG-01A504K4500DA1	0.5	65	132	4.0	45	1050	525	29	25	16	5	M6
STG-01A754K4500DA1	0.75	65	132	4.0	55	825	618	34	29	18	6	M6

For 105C, other Voltage and Current requirement, please contact our sales colleagues.

**STG-01A V<sub>ndc</sub> = 4500V / V<sub>rms</sub> = 1350Vac / V<sub>peak</sub> = 1950V 10s / V<sub>surge</sub> = 7200V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A254K4500DA2	0.25	65	113	2.1	35	5000	1250	15	12	8	M6
STG-01A504K4500DA2	0.5	65	150	1.8	50	2900	1450	15	13	8	M6
STG-01A754K4500DA2	0.75	65	150	1.3	50	2900	2175	25	19	12	M6
STG-01A105K4500D	1	65	173	1.2	60	2200	2200	25	20	13	M6
STG-01A125K4500D	1.2	65	205	1.3	75	1700	2040	25	19	12	M6
STG-01A155K4500D	1.5	90	205	1.1	75	1700	2550	30	23	15	M6

**STG-A V<sub>ndc</sub> = 4500V / V<sub>rms</sub> = 1700Vac / V<sub>peak</sub> = 2400V 10s / V<sub>surge</sub> = 6800V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 45C	Irms 55C	Irms 85C	Irms max. 105C	d (mm)
STG-A125J4500D	1.2	65	147	4.0	95	1050	1260	27	22	20	9	M6
STG-A155J4500D	1.5	65	147	4.0	95	1050	1575	35	30	25	11	M6
STG-A225J4500D	2.2	90	147	3.5	95	1050	2310	50	45	35	15	M6
STG-A335J4500D	3.3	90	147	3.0	95	1050	3465	65	60	55	22	M6

**STG-A V<sub>ndc</sub> = 4800V / V<sub>rms</sub> = 1400Vac / V<sub>peak</sub> = 2000V 10s / V<sub>surge</sub> = 7300V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A125J4800D	1.2	65	142	2.1	13	2300	2760	34	30	24	11	M6
STG-A155J4800D	1.5	90	142	2.0	13	2300	3450	40	35	30	14	M6
STG-A205J4800D	2	90	142	1.8	13	2300	4600	55	50	40	18	M6
STG-A225J4800D	2.2	90	142	1.5	13	2300	5060	60	55	45	20	M8

**STG-01A V<sub>ndc</sub> = 5300V / V<sub>rms</sub> = 1600Vac / V<sub>peak</sub> = 2300V 10s / V<sub>surge</sub> = 8500V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 70C	Irms 85C	Irms 105C	d (mm)
STG-01A254K5300D	0.25	65	113	1.6	35	7000	1750	19	14	9	M6
STG-01A504K5300D	0.5	65	150	1.3	50	3900	1950	21	16	10	M6
STG-01A754K5300D	0.75	65	205	1.6	75	2300	1725	19	14	9	M6
STG-01A105K5300D	1	90	205	1.2	75	2300	2300	25	19	12	M6

**STG-A V<sub>ndc</sub> = 5800V / V<sub>rms</sub> = 2000Vac / V<sub>peak</sub> = 2850V 10s / V<sub>surge</sub> = 8700V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A224J5800D	0.22	65	96	3.30	8.5	4860	1069	28	24	20	9	M6
STG-A334J5800D	0.33	65	96	3.30	8.5	4860	1604	30	25	21	10	M6
STG-A474J5800D	0.47	65	142	3.10	8.5	3500	1645	30	25	21	10	M6
STG-A684J5800D	0.68	65	142	3.10	8.5	3500	2380	30	25	21	10	M6
STG-A105J5800D	1	90	142	2.90	8.5	3500	3500	50	45	35	18	M6
STG-A125J5800D	1.2	90	142	2.50	8.5	3500	4200	60	55	45	20	M8
STG-A155J5800D	1.5	90	142	1.80	8.5	3500	5250	70	65	55	25	M8

**STG-A V<sub>ndc</sub> = 6800V / V<sub>rms</sub> = 2400Vac / V<sub>peak</sub> = 3400V 10s / V<sub>surge</sub> = 10200V 30s/day**

Part Number	C <sub>n</sub> uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I <sub>peak</sub> A	Irms 55C	Irms 70C	Irms 85C	Irms max. 105C	d (mm)
STG-A204J6800D	0.2	65	96	3.5	8.5	7300	1460	25	21	18	9	M6
STG-A224J6800D	0.22	65	96	3.5	8.5	7300	1606	25	21	18	9	M6
STG-A254J6800D	0.25	65	96	3.3	8.5	7300	1825	25	21	18	9	M6
STG-A504J6800D	0.5	65	142	3.1	8.5	5100	2550	25	21	18	9	M6
STG-A684J6800D	0.68	90	142	2.9	8.5	5100	3468	40	35	30	14	M6
STG-A105J6800D	1	90	142	1.8	8.5	5100	5100	60	55	45	20	M8

For 105C, other Voltage and Current requirement, please contact our sales colleagues.