

# Type GG

## Screw Terminal Capacitors

### ELECTROLYTIC CAPACITORS

125°C



#### FEATURES & BENEFITS:

- All internal contacts welded
- High temp 125°C
- Long useful life
- Low inductance ESL
- Screw terminals
- High CV product

#### APPLICATIONS:

- Computer
- Industrial
- Inverter/drives
- Welding

#### APPROVALS:

- RoHS compliant
- REACH compliant

Technical Data Overview	
Rated capacitance range $C_R$	390 ... 3.300.000 $\mu$ F
Capacitance tolerance	$\pm 20\%$
Rated voltage range U	16 ... 63 V
Surge voltage $U_S$	$U_S = 1,15 U_R$
Max. reverse voltage	2 V / 13 nH
Category temperature range	- 55°C ... + 125 °C
Leakage current $I_L$ after 5 min @ $U_R$	$\leq 0,008 * C_R [\mu F] * U_R [V] + 6 \mu A [\mu A]$
Useful life 2000 h @ 125 °C ; $U_R$ ; $I_R$	Requirements $\Delta C/C \leq 30\%$ of initial value ; ESR $\leq 300\%$ of specified ; limit $I_L \leq$ specified limit
Endurance test 1000 h @ 125 °C , $U_R$	Requirements $\Delta C/C \leq 20\%$ of initial value ; ESR $\leq 130\%$ of specified ; limit $I_L \leq$ specified limit
Climatic category IEC 60068	55/125/56
Voltage proof of the external insulation	$\geq 2500$ V AC
Sectional specification	IEC 60384-4

*Different voltages and capacitance combinations are available on request.  
Also in small lots.*

**ELECTRICAL DATA AND ORDERING CODE FOR SERIES GG**

Rated voltage $U_R$ [V]	Rated cap. $C_R$ [μF]	Case size D x L [mm]	Typ. ESR 100 Hz, 20°C [mΩ]	Ripple current $I_{R\sim}$ 100 Hz, 125°C [A]	Order code Plain base: GGA...  Stud mounting: GGB...
16	27000	35x55	17	5,4	27301635055
	39000	40x55	11	6,6	39301640055
	47000	35x70	9	7,8	47301635070
	56000	35x80	8	9,0	56301635080
	56000	40x70	8	8,6	56301640070
	68000	35x100	7	10,8	68301635100
	68000	40x80	7	10,0	68301640080
	68000	45x70	7	9,5	68301645070
	68000	45x100	7	11,0	68301645100
	82000	50x70	5	11,2	82301650070
	100000	50x80	4	13,0	10401650080
	120000	40x100	4	14,6	12401640100
	150000	50x100	3	17,3	15401650100
	25	18000	35x55	25	4,4
22000		35x70	20	5,3	22302535070
22000		40x55	20	4,9	22302540055
27000		35x80	17	6,2	27302535080
33000		40x70	14	6,6	33302540070
39000		35x100	11	8,2	39302535100
39000		40x80	11	7,6	39302540080
39000		45x70	11	7,2	39302545070
47000		40x100	9	9,1	47302540100
47000		50x70	9	8,5	47302550070
56000		45x100	8	9,9	56302545100
56000		50x80	8	9,7	56302550080
82000		50x100	5	12,8	82302550100

Rated voltage $U_R$ [V]	Rated cap. $C_R$ [μF]	Case size D x L [mm]	Typ. ESR 100 Hz, 20°C [mΩ]	Ripple current $I_{R\sim}$ 100 Hz, 125°C [A]	Order code Plain base: GGA...  Stud mounting: GGB...
40	8200	35x55	47	3,2	82204035055
	12000	40x55	32	3,9	12304040055
	12000	35x70	32	4,2	12304035070
	15000	35x80	25	5,0	15304035080
	15000	40x70	25	4,8	15304040070
	18000	35x100	21	6,0	18304035100
	18000	40x80	21	5,6	18304040080
	18000	45x70	21	5,3	18304045070
	22000	50x70	17	6,3	22304050070
	27000	40x100	14	7,5	27304040100
	27000	50x80	14	7,3	27304050080
	33000	45x100	12	8,2	33304045100
	39000	50x100	10	9,5	39304050100
	63	3900	35x55	73	2,5
4700		40x55	61	2,8	47206340055
5600		35x70	51	3,3	56206335070
6800		35x80	42	3,9	68206335080
6800		40x70	42	3,8	68206340070
8200		35x100	35	4,7	82206335100
8200		40x80	35	4,3	82206340080
8200		45x70	35	4,1	82206345070
10000		50x70	29	4,9	10306350070
12000		40x100	24	5,8	12306340100
12000		50x80	24	5,6	12306350080
12000		45x100	24	5,7	12306345100
18000		50x100	16	7,5	18306350100

**USEFUL LIFE AS A FUNCTION OF AMBIENT TEMPERATURE  
AND ACTUAL RIPPLE CURRENT**

