

Type AG

Axial Capacitors

ELECTROLYTIC CAPACITORS

125°C



FEATURES & BENEFITS:

- All contacts welded
- High temp 125°C
- Low temperature -55°C
- Long life 2000 h @ 125 °C
- Axial terminals
- Low mounting height
- High CV product

APPLICATIONS:

- Automotive
- Inverter/drives
- Laser
- Industrial

APPROVALS:

- RoHS compliant
- REACH compliant

Technical Data Overview	
Rated capacitance range C_R	150 ... 82.000 μF
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
Category temperature range	- 55°C ... + 125 °C
Leakage current I_L after 5 min @ U_R	$\leq 0,004 * CR [\mu\text{F}] * UR [\text{V}] + 6 \mu\text{A} [\mu\text{A}]$
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 IL \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 IL \leq specified limit
Climatic category IEC 60068	40/125/56
Voltage proof of the external insulation	$D \leq 25 \text{ mm} : \geq 1000 \text{ V AC}$; $D > 25 \text{ mm} : \geq 2500 \text{ V AC}$
Sectional specification	IEC 60384-4
\emptyset leads	Up to 25 mm \emptyset : 0,8 mm ; more than 25 mm \emptyset : 1,0 mm

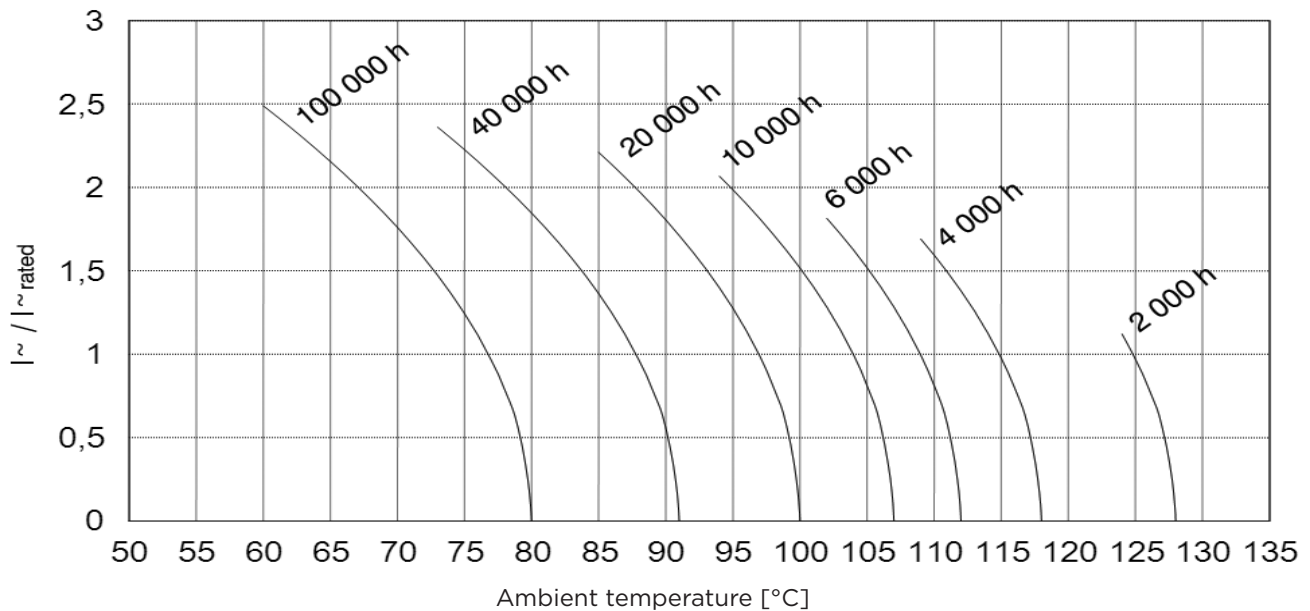
*Different voltages and capacitance combinations are available on request.
Also in small lots.*

ELECTRICAL DATA AND ORDERING CODE FOR SERIES AG

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 IR~ 100 Hz, 125°C [A]	Order code AG...
16	1000	10x30	223	0,6	10201610030
	1200	12x30	186	0,7	12201612030
	1500	14x30	149	0,8	15201614030
	2200	14x37	101	1,1	22201614037
	2200	16x30	101	1,1	22201616030
	3300	16x39	68	1,5	33201616039
	3300	18x30	68	1,4	33201618030
	3900	18x39	57	1,7	39201618039
	4700	21x36	47	2,0	47201621036
	8200	25x38	27	2,9	82201625038
25	470	10x30	474	0,4	47102510030
	680	12x30	328	0,5	68102512030
	1200	14x30	186	0,7	12202514030
	1500	14x37	149	0,9	15202514037
	1500	16x30	149	0,9	15202516030
	1800	16x39	124	1,1	18202516039
	1800	18x30	124	1,1	18202518030
	2200	18x39	101	1,3	22202518039
	3300	21x36	68	1,7	33202521036
	4700	25x38	47	2,2	47202525038

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 IR~ 100 Hz, 125°C [A]	Order code AG...
40	270	10x30	708	0,3	27104010030
	470	12x30	407	0,5	47104012030
	560	14x30	341	0,5	56104014030
	680	14x37	281	0,7	68104014037
	680	16x30	281	0,7	68104016030
	1000	16x39	191	0,9	10204016039
	1000	18x30	191	0,9	10204018030
	1200	18x39	159	1,0	12204018039
	1500	21x36	127	1,2	15204021036
	2200	25x38	87	1,6	22204025038
63	150	10x30	1062	0,3	15106310030
	220	12x30	724	0,4	22106312030
	330	14x30	483	0,5	33106314030
	470	14x37	339	0,6	47106314037
	470	16x30	339	0,6	47106316030
	560	16x39	284	0,7	56106316039
	560	18x30	284	0,7	56106318030
	820	18x39	194	0,9	82106318039
	1000	21x36	159	1,1	10206321036
	1500	25x38	106	1,5	15206325038

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



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