

Type ATBI

Axial Capacitors

ELECTROLYTIC CAPACITORS

85°C



FEATURES & BENEFITS:

- All contacts welded
- Bipolar construction
- Axial terminals
- For crossover networks

APPLICATIONS:

- HiFi
- Consumer

APPROVALS:

- RoHS compliant
- REACH compliant

Technical Data Overview	
Rated capacitance range C_R	1 ... 100 μF
Capacitance tolerance	$\pm 20\%$; $\pm 10\%$ on request
U_R bipolar (rated voltage DC)	63 V dc @ 23 V ac ; 100 V dc @ 35 V ac
Max. peak voltage (AC)	May not exceed rated voltage (DC)
Category temperature range	- 40°C ... + 85 °C
Useful life > 5000 h @ 85 °C > 1000 h @ 105°C	Requirements $\Delta C/C \leq 30\%$ of initial value ; ESR $\leq 300\%$ of specified ; limit $I_L \leq$ specified limit
Endurance test 100.000 h @ 40 °C	Requirements $\Delta C/C \leq 20\%$ of initial value ; ESR $\leq 130\%$ of specified ; limit $I_L \leq$ specified limit
Climatic category IEC 60068	40/085/56
Voltage proof of the external insulation	$D \leq 25$ mm: ≥ 1000 V AC ; $D > 25$ mm: ≥ 2500 V AC
$\emptyset$ 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 capacitance (other values available on request) C_R [μF]	Case size D x L [mm]	Order code ATBI...
23 Vac @ 50 Hz	1,0	10x20	1,002310020
	2,2	10x20	2,202310020
	3,3	10x20	3,302310020
	4,7	10x20	4,702310020
	6,8	10x20	6,802310020
	10	10x30	10002310030
	15	10x30	15002310030
	22	12x30	22002312030
	33	12x30	33002312030
	47	14x37	47002314037
	68	16x39	68002316039
	100	18x39	10102318039
	220	25x38	22102325038
	330	25x38	33102325038
	470	25x38	47102325038
	560	25x38	56102325038
	680	25x38	68102325038
	880	25x49	80102325049
	1000	25x49	10202325049
35 Vac @ 50 Hz	1,0	10x20	1,003510020
	2,2	10x30	2,203510030
	3,3	10x30	3,303510030
	4,7	10x30	4,703510030
	6,8	10x30	6,803510030
	10	10x30	10003510030
	15	10x30	15003510030
	22	12x30	22003512030
	33	12x30	33003512030
	47	14x37	47003514037
	68	16x39	68003516039
	100	18x39	10103518039
	220	25x38	2203525038

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