



Axial terminals

Bipolar construction

For crossover networks

RoHS compliant
REACH compliant

Features

- All contacts welded
- Bipolar

Applications

- HiFi
- Consumer

Different case sizes, voltages and capacitance combinations are available on request.
Also in small lots.

General specifications

Items		Characteristics
Rated capacitance range C_R		1 ... 100 μ F @ 1 kHz
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



Electrical data and ordering code for series ATBI

Rated voltage U_R [V]	Rated capacitance (other values available on request) C_R [μ F]	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



Axial terminals

Bipolar construction

Plain foil

For crossover networks

RoHS compliant
REACH compliant

Features

- All contacts welded
- Bipolar

Applications

- HiFi
- Consumer

Different case sizes, voltages and capacitance combinations are available on request. Also in small lots.

General specifications

Items		Characteristics
Rated capacitance range C_R		1 ... 200 μ F @ 1 kHz
Capacitance tolerance		$\pm 10\%$; $\pm 5\%$ on request
U_R bipolar (rated voltage DC)		35 V dc @ 23 V ac 50 V dc @ 35 V ac 70V dc @ 50 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	Requirements $\Delta C/C \leq 30\%$ of initial value ESR $\leq 300\%$ of specified limit $I_L \leq$ specified limit
	> 1000 h @105 °C	
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



Electrical data and ordering code for series ATBIG

Rated voltage U_R [V]	Rated capacitance (other values available on request) C_R [μ F]	Case size D x L [mm]	Order code ATBIG...
23 Vac @ 50 Hz	1,0	10x20	1,002310020
	2,2	10x30	2,202310030
	3,3	10x30	3,302310030
	4,7	10x30	4,702310030
	6,8	10x30	6,802310030
	10	10x30	10002310030
	15	14x37	15002314037
	22	14x37	22002314037
	33	18x39	33002318039
	47	21x36	47002321036
	68	25x36	68002325036
	100	25x36	10102325036
	120	25x49	12102325049
	150	25x49	15102325049
200	30x49	20102330049	
35 Vac @ 50 Hz	1,0	10x20	1,003510020
	2,2	10x30	2,203510030
	3,3	10x30	3,303510030
	4,7	12x30	4,703512030
	6,8	12x30	6,803512030
	10	14x37	10003514037
	15	16x39	15003516039
	22	18x39	22003518039
	33	25x36	33003525036
	47	25x36	47003525036
	68	25x49	68003525049
	100	30x49	10103530049
	120	30x49	12103530049
	150	35x66	15103535066
200	35x66	20103535066	
50 Vac @ 50 Hz	1	10x25	1,105010025
	2,2	10x30	2,205010030
	3,3	10x30	3,305010030
	4,7	12x30	4,705012030
	6,8	14x30	6,805014030
	10	14x37	10005014037
	15	18x39	15005018039
	22	25x36	22005018039
	33	25x36	33005025036
	47	25x49	47005025049
	68	30x49	68005030049
100	35x49	10105035049	