

Features

- Radial leaded PTC fuse
- Treated, flame retardant epoxy polymer insulating material, meets UL94V-0 requirements
- Bulk packaging, tape and reel available for most models

Applications

- Almost all appliances with low voltage power supply, up to DC 60V, and where a load has to be protected, including:
 - Automotive electronics
 - Communication equipment
 - Power transformers

Electrical Characteristics (@ 25°C)



Part Number	I _{hold} (A)	I _{trip} (A)	V _{max} (V _{dc})	I _{max} (A)	P _{dmax} (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (s)	R _{min} (Ω)	R _{max} (Ω)	R _{1max} (Ω)
BJK60-005	0.05	0.10	60	40	0.26	0.25	5	7.30	20.0	30.0
BJK60-010	0.10	0.20	60	40	0.38	0.50	5	2.50	7.50	12.0
BJK60-017	0.17	0.34	60	40	0.48	0.85	5	2.00	5.21	8.0
BJK60-020	0.20	0.40	60	40	0.41	1.00	5	1.50	2.84	4.49
BJK60-025	0.25	0.50	60	40	0.45	1.25	5	1.00	1.95	3.0
BJK60-030	0.30	0.60	60	40	0.49	1.50	5	0.76	1.38	2.2
BJK60-040	0.40	0.80	60	40	0.56	2.00	5	0.55	0.88	1.4
BJK60-050	0.50	1.00	60	40	0.77	2.50	5	0.50	0.79	1.2
BJK60-065	0.65	1.30	60	40	0.88	3.25	5	0.31	0.50	0.74
BJK60-075	0.75	1.50	60	40	0.92	3.75	5	0.25	0.42	0.62
BJK60-090	0.90	1.80	60	40	0.99	4.50	5	0.20	0.33	0.49
BJK60-110y	1.10	2.20	60	40	1.50	5.50	8	0.15	0.27	0.40
BJK60-110f	1.10	2.20	60	40	1.50	5.50	8	0.15	0.27	0.40
BJK60-135	1.35	2.70	60	40	1.70	6.75	8	0.12	0.21	0.32
BJK60-160	1.60	3.20	60	40	1.90	8.00	8	0.09	0.16	0.24
BJK60-185	1.85	3.70	60	40	2.10	9.25	8	0.08	0.14	0.21
BJK60-200	2.00	4.00	60	40	2.30	10.00	8	0.07	0.14	0.21
BJK60-250	2.50	5.00	60	40	2.50	12.50	8	0.05	0.10	0.15
BJK60-300	3.00	6.00	60	40	2.80	15.00	8	0.04	0.08	0.12
BJK60-375	3.75	7.50	60	40	3.20	18.75	8	0.03	0.06	0.10
BJK60-500	5.00	10.0	60	40	3.50	25.00	8	0.02	0.06	0.10

- I_{hold} Hold current: Maximum current the thermistor will sustain without tripping at 25°C ambient temperature for 1hr
- I_{trip} Trip current: Lowest current at which the thermistor will trip by default at 25°C ambient temperature
- V_{max} Maximum voltage the thermistor can withstand without damage at rated current (I_{max})
- I_{max} Maximum fault current device can withstand without damage at rated voltage (V_{max})
- P_d The power dissipating from the thermistor when it is in tripped state at 25°C ambient temperature.
- R_{min/max} Minimum/Maximum resistance of the thermistor before an initial trip event
- R_{1max} Maximum resistance of the thermistor 1 hour after the initial trip event, measured at 25°C ambient temperature

*CAUTION: Operation beyond the specified rating may result in damage and possible arcing. The thermistors are intended for protection against occasional overcurrent or over-temperature faults and should not be used when repeated fault conditions are anticipated.

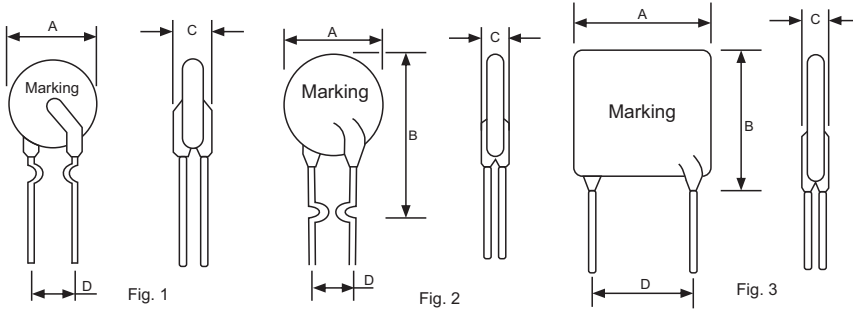
Ordering Information

Series No.	Operating Current	Packaging	Quantity	Purchase Order No.
BJK60				





Product Dimensions (in mm) and Packing Information



Model	Fig.	Quantity	A(max)	B(max)	C(max)	D(type)
BJK60-005	1(2)	1000	5.0	8.5	3.0	5.1
BJK60-010	1(2)	1000	5.5	9.5	3.0	5.1
BJK60-017	1(2)	1000	7.4	12.7	3.0	5.1
BJK60-020	1(2)	1000	7.4	12.7	3.0	5.1
BJK60-025	1(2)	1000	7.4	12.7	3.0	5.1
BJK60-030	1(2)	1000	7.4	13.0	3.0	5.1
BJK60-040	2	1000	7.4	16.2	3.0	5.1
BJK60-050	2	1000	7.4	16.2	3.0	5.1
BJK60-065	2	1000	9.4	17.8	3.0	5.1
BJK60-075	2	1000	10.4	18.4	3.0	5.1
BJK60-090	2	1000	11.7	18.4	3.0	5.1
BJK60-110y	1	1000	13.0	18.0	3.0	5.1
BJK60-110f	3	500	11.0	18.0	3.0	5.1
BJK60-135	1	500	14.5	19.6	3.0	5.1
BJK60-160	1	500	16.3	21.3	3.0	5.1
BJK60-185	1	500	17.5	22.9	3.0	5.1
BJK60-200	1	500	17.8	22.9	3.0	5.1
BJK60-250	1	200	21.3	26.4	3.0	10.2
BJK60-300	1	200	23.9	30.0	3.0	10.2
BJK60-375	1	200	28.5	33.5	3.0	10.2
BJK60-500	1	200	28.5	33.5	3.0	10.2

Note: The package quantity refers to one bag (unit: pcs).

Physical Characteristics

Model	Lead Material
BJK60-005 ~ BJK60-030	Thin plated copper, 22AWG Ø0.60mm or Thin-plated nickel-copper alloy, 24AWG Ø0.60mm
BJK60-040 ~ BJK60-090	Thin plated copper, 22AWG Ø0.50mm
BJK60-110 ~ BJK60-500	Thin plated copper, 20AWG Ø0.80mm

Environmental Specifications

Test	Conditions	Resistance Change
Passive aging	+85°C, 1000hrs	±8%, typical
Humidity aging	+85°C, 85% R.H., 1000hrs	±8%, typical
Thermal shock	-55°C to +125°C, 10 times	±12%, typical
Resistance to solvent	MIL-STD-202, Method 215	No change
Vibration	MIL-STD-202, Method 201	No change

Storage conditions: 5°C ~ 40°C