

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 30V, and where a load has to be protected, including:

- Computers
- Electronic toys
- Industrial controllers



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} (mΩ)	R _{max} (mΩ)	R _{1max} (mΩ)
BJK30-075	0.75	1.5	30	40	0.6	3.75	7.0	150	370	420
BJK30-090	0.90	1.8	30	40	0.7	4.50	7.1	100	220	300
BJK30-110	1.10	2.2	30	40	0.7	5.50	6.6	70	200	260
BJK30-120	1.20	2.4	30	40	0.8	6.00	7.3	80	180	200
BJK30-135	1.35	2.7	30	40	0.8	6.75	8.0	70	160	220
BJK30-160	1.60	3.2	30	40	0.9	8.00	8.7	60	140	180
BJK30-185	1.85	3.7	30	40	1.0	9.25	8.0	50	120	150
BJK30-200	2.0	4.0	30	40	1.2	10.00	11.0	40	100	130
BJK30-250	2.5	5.0	30	40	1.2	12.50	10.3	30	80	100
BJK30-300	3.0	6.0	30	40	2.0	15.00	10.8	30	70	100
BJK30-400	4.0	8.0	30	40	2.5	20.00	12.7	10	60	90
BJK30-500	5.0	10.0	30	40	3.0	25.00	14.5	10	50	80
BJK30-600	6.0	12.0	30	40	3.5	30.00	16.0	5	40	60
BJK30-700	7.0	14.0	30	40	3.8	35.00	17.5	5	30	50
BJK30-800	8.0	16.0	30	40	4.0	40.00	18.8	5	25	30
BJK30-900	9.0	18.0	30	40	4.2	40.00	20.0	5	20	25

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.

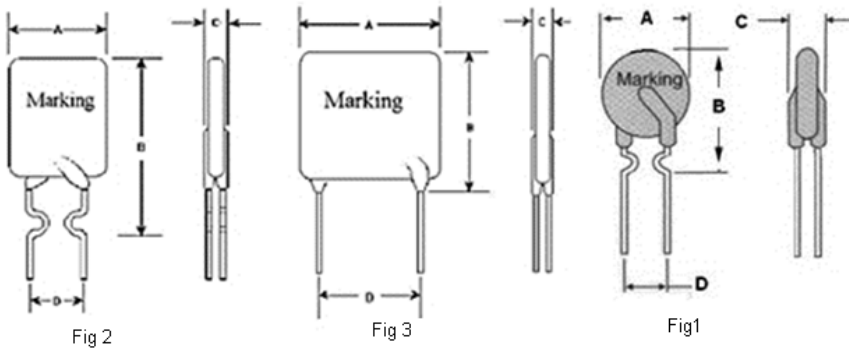
The thermistors are intended for protection against occasional overcurrent or over-temperature faults and should not be used when repeated fault conditions are anticipated.

Ordering Information

Series No.	Operating Current	Packaging	Quantity	Purchase Order No.
BJK30				



Product Dimensions (in mm) and Packing Information



Model	Fig.	Quantity	A (max)	B (max)	C (max)	D (type)
BJK30-075	1(2)	1000	7.4	12.2	3.0	5.1
BJK30-090	2	1000	7.4	18.5	3.0	5.1
BJK30-110	2	1000	7.4	18.5	3.0	5.1
BJK30-120	2	1000	7.4	18.5	3.0	5.1
BJK30-135	2	1000	9.2	17.6	3.0	5.1
BJK30-160	2	1000	9.2	20.2	3.0	5.1
BJK30-185	2	1000	9.2	20.2	3.0	5.1
BJK30-200	2	1000	15.2	20.2	3.0	5.1
BJK30-250	2	1000	13.2	22.4	3.0	5.1
BJK30-300	3	500	13.2	20.4	3.0	5.1
BJK30-400	3	500	14.0	23.7	3.0	5.1
BJK30-500	3	500	14.0	20.4	3.0	10.2
BJK30-600	3	200	17.2	27.0	3.0	10.2
BJK30-700	3	200	17.2	27.0	3.0	10.2
BJK30-800	3	200	23.5	29.2	3.0	10.2
BJK30-900	3	200	23.5	29.2	3.0	10.2

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

Physical Characteristics

Model	Lead Material
BJK30-075 ~ BJK30-185	Thin plated copper, 22AWG Φ 0.60mm or Thin-plated nickel-copper alloy, 24AWG Φ 0.50mm
BJK30-200 ~ BJK30-250	Thin plated copper, 22AWG Φ 0.60mm
BJK30-300 ~ BJK30-900	Thin plated copper, 20AWG Φ 0.80mm

Environmental Specifications

Test	Conditions	Resistance Change
Passive aging	+85°C, 1000hrs	\pm 8%, typical
Humidity aging	+85°C, 85% R.H., 1000hrs	\pm 8%, typical
Thermal shock	-55°C to +125°C, 10 times	\pm 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