

Features

- Radial leaded Devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements
- Bulk packaging, or tape and reel available on most models

Applications

Almost anywhere there is a low voltage power supply, up to DC30V and a load to be protected, including:

- Personal computer
- Medical electronics
- Personal care product

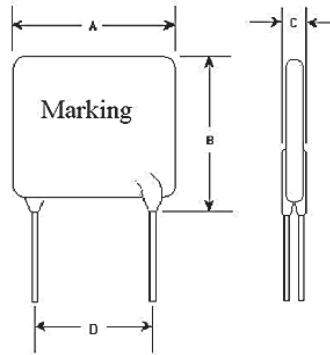


Fig1

Product dimensions(mm)

Model	Fig	A(max)	B(max)	C(max)	D(typ)
K16-300	1	9.0	12	3	5.1
K16-400	1	10.0	13	3	5.1
K16-500	1	10.7	17.5	3	5.1
K16-600	1	13.5	17.5	3	5.1
K16-700	1	13.5	23	3	5.1
K16-800	1	13.5	23	3	5.1
K16-900	1	15.0	24	3	5.1
K16-1000	1	18.0	26	3	5.1
K16-1100	1	18.0	26	3	5.1
K16-1200	1	22.5	25	3	10.2
K16-1300	1	24.0	30	3	10.2
K16-1400	1	24.0	30	3	10.2

Physical Characteristics

Material: Leads

ALL Tin plated copper, 20AWG, 0.80mm

Test	Environmental Specifications conditions	Resistance change
Passive aging	+85°C, 100hrs	±8% typical
Humidity aging	+85°C, 85%R.H., 100hrs	±8% typical
Thermal shock	+125°C, to -55°C, 10times	±12% typical
Resistance to solvent	MIL-STD-202, Method 215	No change
Vibration	MIL-STD-202, Method 201	No change

Storage conditions: -40°C to 85°C

Electrical characteristics(25°C)

Model	Ihold (A)	Itrip (A)	Vmax (Vdc)	Imax (A)	Pd max (w)	Maximum Time To Trip		Resistance		
						Current (A)	Time (S)	Rmin (mΩ)	Rmax (mΩ)	R1max (mΩ)
K16-300	3	6	16	100	2.3	9	15	20	60	80
K16-400	4	8	16	100	2.4	12	15	20	40	60
K16-500	5	10	16	100	2.6	15	15	14	25	33
K16-600	6	12	16	100	2.8	18	15	10	21	31
K16-700	7	14	16	100	3.0	21	15	8	15	20
K16-800	8	16	16	100	3.0	24	15	6	13	18
K16-900	9	18	16	100	3.3	27	25	4	12	16
K16-1000	10	20	16	100	3.7	30	30	4	11	15
K16-1100	11	22	16	100	3.7	33	30	3	9	13
K16-1200	12	24	16	100	4.2	36	30	3	8	11
K16-1300	13	26	16	100	4.2	39	50	3	8	11
K16-1400	14	28	16	100	4.2	40	50	3	7	10

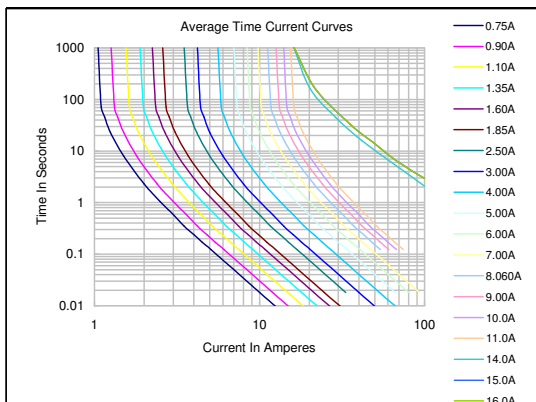
- Ihold Hold Current:Maximum current device will not trip in 25°C still air.
- Itrip Trip current:Minimum current at which the device will always trip in 25°C still air
- Vmax Maximum operating volatge device can withstand without damage at ratde current(imax).
- Imax Maximum fault current device can withstand without damage at rated voltage(Vmax).
- Pd Typical power dissipatde from device when in the tripped state in 25°C still air.
- Rmin/max Minimum/Maximum device resistance prior to tripping at 25°C.
- R1max Maximum resistance of device at 25°C measured one hour after trippde tripping.

*CAUTION Operation beyond the specified rating may result in damage and possible arcing.

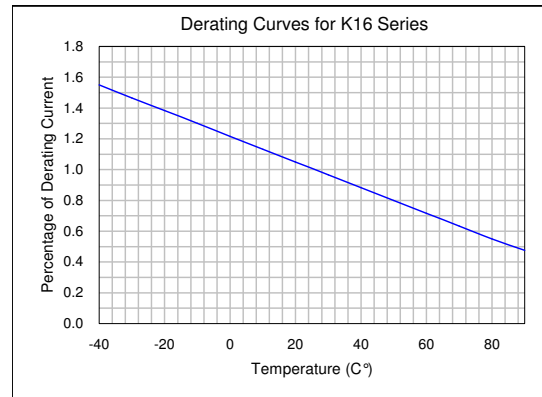
Thermal Derating Chart-IH(A)

Part number	Maximum ambient operating temperatures(°C)									
	-40	-20	0	25	40	50	60	70	80	
K16-300	4.4	4.0	3.6	3.0	2.6	2.4	2.1	1.9	1.4	
K16-400	5.9	5.3	4.8	4.0	3.5	3.2	2.8	2.5	1.9	
K16-500	7.3	6.6	6.0	5.0	4.4	4.0	3.6	3.1	2.4	
K16-600	8.8	8.0	7.2	6.0	5.2	4.8	4.2	3.8	2.8	
K16-700	10.3	9.3	8.4	7.0	6.2	5.6	5.0	4.4	3.3	
K16-800	11.7	10.7	9.6	8.0	6.9	6.4	5.6	5.1	3.7	
K16-900	13.2	11.9	10.7	9.0	7.9	7.2	6.4	5.6	4.2	
K16-1000	14.7	13.3	12.0	10.0	8.7	8.0	7.0	6.3	4.7	
K16-1100	16.1	14.6	13.1	11.0	9.7	8.8	7.8	6.9	5.2	
K16-1200	17.6	16.0	14.4	12.0	10.4	9.6	8.4	7.6	5.6	
K16-1400	20.5	18.7	16.8	14.0	12.1	11.2	9.8	8.9	6.5	

Typical Time-To-Trip Curve At 25°C



Thermal Derating Curve



Package Information

Bulk:

K16-300~800	1000pcs per bag
K16-900	500pcs per bag
K16-1000~1400	200pcs per bag