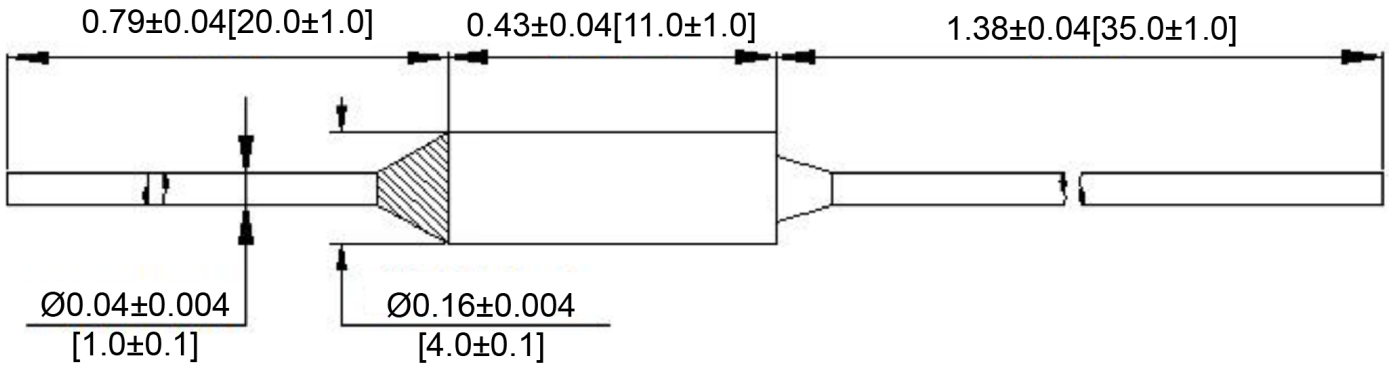
Thermal Cutoff Fuse | K10B

OPTIFUSE

Mechanical Dimensions: Inches [mm]

Tolerances ±0.012 [0.3] Unless Otherwise Specified



Technical Information

	(A) Rated Functioning Temp (Tf)		(B) Holding Temp (Th°C)		(C) Maximum Temp Limit (Tm°C)		(D) Rated Current (Ir)	(D) Rated Voltage (Ur)	cURus (PENDING)
Optifuse P/N	Specification	Actual Value	Specification	Actual Value	Specification	Actual Value			
K10B-66	66°C	62±2°C	42	42	130	130	10A	250VAC	
K10B-72	72°C	70±2°C	45	58	150	300	10A	250VAC	✓
K10B-77	77°C	74±2°C	55	62	120	300	10A	250VAC	✓
K10B-84	84°C	82±2°C	60	69	125	300	10A	250VAC	
K10B-94	94°C	94+0/-5°C	66	79	150	300	10A	250VAC	✓
K10B-99	99°C	95±2°C	71	84	150	300	10A	250VAC	✓
K10B-105	105°C	105+0/-5°C	80	90	150	300	10A	250VAC	
K10B-110	110°C	110+0/-5°C	88	98	140	300	10A	250VAC	✓
K10B-113	113°C	110±2°C	84	98	150	400	10A	250VAC	
K10B-121	121°C	120+0/-5°C	94	106	150	400	10A	250VAC	
K10B-128	128°C	128+0/-5°C	106	113	155	400	10A	250VAC	✓
K10B-133	133°C	131±2°C	104	119	159	400	10A	250VAC	✓
K10B-139	139°C	137±2°C	117	124	170	400	10A	250VAC	
K10B-142	142°C	142+0/-5°C	114	127	159	400	10A	250VAC	✓
K10B-152	152°C	152+0/-5°C	128	137	176	400	10A	250VAC	✓
K10B-157	157°C	155±2°C	127	142	172	400	10A	250VAC	✓
K10B-167	167°C	167+0/-5°C	146	152	190	400	10A	250VAC	✓
K10B-172	172°C	170±2°C	144	157	189	400	10A	250VAC	
K10B-184	184°C	182±2°C	160	169	214	400	10A	250VAC	
K10B-192	192°C	189±2°C	164	177	300	400	10A	250VAC	✓
K10B-216	216°C	216+0/-5°C	189	191	350	450	10A	250VAC	
K10B-228	228°C	226±2°C	190	201	300	450	10A	250VAC	✓
K10B-240	240°C	240+0/-5°C	190	201	350	450	10A	250VAC	✓

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Electrical Specifications

Interrupting Rating	15A @ 275VAC

Material Specifications

Fuse Type	4Ø x 10mm
Materials	Brass Casing; Alumina Insulator

Term Explanation

(A) - Rated Functioning Temp: Thermal-links shall be exposed in the test oven with the temperature of Tf –20°C for at least 20 minutes, Then increase the temperature steadily with a rate of rise between 0.5°C per minute to 1°C per minute until all samples have functioned. The individual functioning temperature shall not be less than Tf –10°C and not greater than Tf.

(B) - Holding Temperature: In the closed test oven,the temperature of thermal-links shall maintain Th+0/-6°C for 168 hours. At the end of this test, all samples shall not function.

(C) - Maximum Temperature Limit: The specimens shall be subjectedtoTm +0/-5°C for 10 minutes, and then within the specimens maintained at Tm +0/-5°C, a test voltage of 2Ur shall be applied between the open terminals. No flashover, breakdown or re-function shall occur. At the end of this test, all specimens shall have functioned.

(D) - Electrical Specifications:

Rated Current = (Ir) -Rated current is the maximum current that thermal cut-offs allow to carry and are able to cut-off the circuit in safety.

Rated Voltage = (Ur) -Rated voltage is the maximum voltage that is allowed to apply to] the circuit in which the thermal cut-off is used.

Rev	Date of issue	Revision Notes	Designed	Approved
B	11-08-2024	Initial Drawing	RC	OF