

Tron[®] Rectifier Fuses



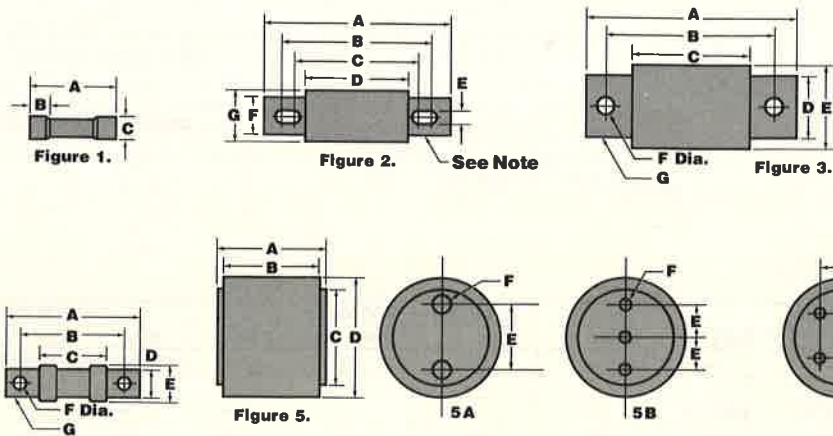
TRON[®] Rectifier Fuses are especially designed for the protection of semi-conductor rectifiers, SCR'S, Thyristors, solid state devices or any instance in which a very fast acting fuse is needed. They provide extremely fast opening on overload and fault currents, with a high degree of restriction of the let-thru current. If each diode is protected by a TRON rectifier fuse, the fuse will open very quickly when the short circuit current significantly exceeds the rating of the diode. Thus when a short-circuit occurs in a diode the fuse opens and takes that diode out of the circuit; other good diodes in the rectifier which might otherwise be damaged are not affected. For application data, see Bulletin TRFS and E60.

Ampere and Voltage Ratings—Rectifier Fuses

60 Volts	130 Volts	250 Volts	500 Volts	600 Volts	700 Volts
GBB	KAA KAW KAH	KAB KAX KAG	KBH	KAC KBC KAJ	KBP
*GBB-1/4	—	—	—	—	—
*GBB-1/2	—	—	—	—	—
*GBB-3/4	—	—	—	—	—
*GBB-1	*KAA-1 KAW-1	KAB-1 KAX-1	—	KAC-1 KBC-1 KAJ-1	—
*GBB-1 1/4	—	—	—	—	—
*GBB-1 1/2	*KAA-1 1/2	—	—	KAC-2 KBC-2	—
*GBB-2	*KAA-2 KAW-2	KAB-2 KAX-2	—	—	—
—	*KAA-2 1/2	—	—	—	—
*GBB-3	*KAA-3 KAW-3	KAB-3 KAX-3	—	KAC-3 KBC-3	—
*GBB-4	*KAA-4 KAW-4	KAB-4 KAX-4	—	KAC-4 KBC-4	—
*GBB-5	*KAA-5 KAW-5	KAB-5 KAX-5	—	KAC-5 KBC-5	—
*GBB-6	*KAA-6 KAW-6	KAB-6 KAX-6	—	KAC-6 KBC-6	—
*GBB-7	*KAA-7 KAW-7	KAB-7 KAX-7	—	KAC-7 KBC-7	—
*GBB-8	*KAA-8 KAW-8	KAB-8 KAX-8	—	KAC-8 KBC-8	—
*GBB-9	*KAA-9 KAW-9	KAB-9 KAX-9	—	KAC-9	—
*GBB-10	*KAA-10 KAW-10	KAB-10 KAX-10	—	KAC-10 KBC-10 KAJ-10	—
*GBB-12	*KAA-12 KAW-12	KAB-12 KAX-12	—	KAC-12 KBC-12	—
*GBB-15	*KAA-15 KAW-15	KAB-15 KAX-15	—	KAC-15 KBC-15	—
*GBB-17 1/2	—	KAB-17 1/2 KAX-17 1/2	—	KAC-17 1/2 KBC-17 1/2	—
*GBB-20	*KAA-20 KAW-20	KAB-20 KAX-20	—	KAC-20 KBC-20	—
*GBB-25	*KAA-25 KAW-25	KAB-25 KAX-25	—	*KAC-25 KBC-25 KAJ-25 KBP-25	—
*GBB-30	*KAA-30 KAW-30	KAB-30 KAX-30	—	*KAC-30 KBC-30 KAJ-30 KBP-30	—
—	—	*KAB-35 *KAX-35	*KBH-35	*KAC-35 *KBC-35 KAJ-35 KBP-35	—
—	*KAH-35	*KAB-40 *KAX-40	*KBH-40	*KAC-40 *KBC-40 KAJ-40 KBP-40	—
—	*KAH-40	*KAB-45 *KAX-45	*KBH-45	*KAC-45 *KBC-45 KAJ-45	—
—	*KAH-45	*KAB-50 *KAX-50	*KBH-50	*KAC-50 *KBC-50 KAJ-50 KBP-50	—
—	*KAH-50	*KAB-60 *KAX-60	*KBH-60	*KAC-60 *KBC-60 KAJ-60 KBP-60	—
—	*KAH-60	—	*KBH-65	—	—
—	—	*KAB-70 KAX-70	*KBH-70	*KAC-70 *KBC-70	KBP-70
—	*KAA-70	*KAB-80 KAX-80	*KBH-80	*KAC-80 *KBC-80	KBP-80
—	*KAA-80	*KAB-90 KAX-90	*KBH-90	*KAC-90 *KBC-90	KBP-90
—	*KAA-90	*KAB-100 KAX-100	*KBH-100	*KAC-100 *KBC-100	KBP-100
—	*KAA-100	—	*KBH-110	*KAC-110 *KBC-110	—
—	—	—	*KBH-125	*KAC-125 *KBC-125	KBP-125
—	*KAA-125	*KAB-125 KAX-125	—	—	—
—	*KAA-130	—	—	—	—
—	*KAA-150	*KAB-150 KAX-150	*KBH-150	*KAC-150 *KBC-150	KBP-150
—	*KAA-175	*KAB-175 KAX-175	*KBH-175	*KAC-175 *KBC-175	KBP-175
—	*KAA-200	*KAB-200 KAX-200	*KBH-200	*KAC-200 *KBC-200	KBP-200
—	*KAA-225	*KAB-225 *KAX-225	*KBH-225	*KAC-225 *KBC-225	KBP-225
—	*KAA-250	*KAB-250 *KAX-250	*KBH-250	*KAC-250 *KBC-250	KBP-250
—	*KAA-300	*KAB-300 *KAX-300	*KBH-300	*KAC-300 *KBC-300	KBP-300
—	*KAA-350	*KAB-350 *KAX-350	*KBH-350	*KAC-350 *KBC-350	—
—	*KAA-400	*KAB-400 *KAX-400	*KBH-400	*KAC-400 *KBC-400	KBP-400
—	*KAA-450	*KAB-450 *KAX-450	*KBH-450	*KAC-450 *KBC-450	KBP-450
—	*KAA-500	*KAB-500 *KAX-500	*KBH-500	*KAC-500 *KBC-500	KBP-500
—	—	—	*KBH-550	—	—
—	*KAA-600	*KAB-600 *KAX-600	*KBH-600	*KAC-600 *KBC-600	KBP-600
—	*KAA-650	—	—	—	—
—	*KAA-700	*KAB-700 *KAX-700	KBH-700	KAC-700 *KBC-700	—
—	*KAA-800	*KAB-800 *KAX-800 KAG-800	KBH-800	KAC-800 *KBC-800	—
—	*KAA-1000	—	KBH-1000	KAC-1000 KBC-1000	—
—	KAA-1200	—	KBH-1200	—	—
—	KAA-1500	—	KAG-1500	—	—
—	KAA-2000	—	KAG-2000	—	—
—	KAA-2500	—	KAG-2500	—	—
—	KAA-3000	—	KAG-3000	—	—

Tron[®] Rectifier Fuses

Rectifier Fuses (60 to 700 Volts) 1/8 to 3000 Amperes



Rectifier Fuses—Dimensional, Carton Quality and Weight Data

Cat. Number	Volts	Ampere Rating	Fig. No.	Dimensions in Inches							Dimensions in Metric (mm)							Ctn. Qty.	Wt. Per Ctn.	
				A	B	C	D	E	F	G	A	B	C	D	E	F	G		Lbs.	Kg
GBB	60V	1/8-30	1	1 1/4	1/4	1/4	—	—	—	—	31.8	6.4	6.4	—	—	—	—	5	0.05	0.023
		1/2-30	1	1 1/2	3/8	13/32	—	—	—	—	38.1	9.5	10.3	—	—	—	—	10	0.18	0.079
KAA	130V	70-400	2**	2 1/32	2 3/16	1 29/32	1 1/32	5/16	3/4	1	67.5	55.6	48.4	29.4	7.9	19.1	25.4	10	2.15	0.975
		450-1000	3	3 1/2	2 7/16	1 1/4	1	1 1/2	13/32	1/4	88.9	61.9	31.8	25.4	38.1	10.3	6.4	10	6.00	2.722
		1200-2000	5-A	1 7/8	1 1/8	1 3/4	2	1	**	—	47.6	41.3	44.5	50.8	25.4	**	—	1	1.25	0.567
		2500-3000	5-A	1 7/8	1 3/4	2 1/2	3	1 1/2	■	—	47.6	44.5	63.5	76.2	38.1	■	—	1	2.80	1.270
KAB	250V	1/2-30	1	2	1/2	9/16	—	—	—	—	50.8	12.7	14.3	—	—	—	—	10	0.35	0.159
		35-60	4	3 3/16	2 7/16	1 9/16	3/4	1 13/16	1 1/32	1/8	81.0	61.9	39.7	19.1	20.6	8.7	3.2	10	1.20	0.544
		70-200	3	3 1/8	2 3/8	1 9/16	7/8	1 7/32	1 1/32	3/16	79.4	60.3	39.7	22.2	31.0	8.7	4.8	10	4.13	1.871
		225-800	3	3 27/32	2 25/32	1 19/32	1	1 1/2	13/32	1/4	97.6	70.6	40.5	25.4	38.1	10.3	6.4	10	6.08	2.756
KAC	600V	1-30	3	2 7/8	2 1/2	1 7/8	1 9/32	9/16	1/4	1/16	73.0	63.5	47.6	10.3	14.3	6.4	1.6	10	0.48	0.215
		35-60	3	4 3/8	3 5/8	2 3/4	5/8	1 13/16	1 1/32	3/32	111.1	92.1	69.9	15.9	20.6	8.7	2.4	10	1.38	0.624
		70-100	2**	5	4 1/8	3 21/32	2 29/32	13/32	3/4	1	127.0	103.2	92.9	73.8	10.3	19.1	25.4	1	0.38	0.170
		110-200	2**	5 1/2	4 3/8	3 3/32	2 29/32	13/32	1 1/8	1 1/2	139.7	111.1	92.9	73.8	10.3	28.6	38.1	1	0.85	0.383
KAG	250V	225-400	3	6 1/4	4 3/4	3	1 5/8	2	9/16	1/4	158.8	120.7	76.2	41.3	50.8	14.3	6.4	1	1.88	0.851
		450-800	3	6 1/4	4 3/4	3 1/16	2	2 1/2	9/16	1/4	158.8	120.7	77.8	50.8	63.5	14.3	6.4	1	3.32	1.504
		1000	3	7 1/4	4 3/4	3 1/16	2 3/4	3 1/2	9/16	3/8	184.2	120.7	77.8	69.9	88.9	14.3	9.5	1	7.00	3.175
		1000-1200	5-B	2 19/32	2 11/32	2 1/2	3	3/4	**	—	65.9	59.5	63.5	76.2	19.1	**	—	1	3.35	1.519
KAH	130V	35-60	1	2	5/8	13/16	—	—	—	—	50.8	15.9	20.6	—	—	—	—	10	0.88	0.397
KAJ	600V	1-60	1	3	5/8	13/16	—	—	—	—	76.2	15.9	20.6	—	—	—	—	10	1.20	0.544
KAW	130V	1-30	1	1 1/2	3/8	13/32	—	—	—	—	38.1	9.5	10.3	—	—	—	—	10	0.18	0.079
KAX	250V	1/2-30	1	2	1/2	9/16	—	—	—	—	50.8	12.7	14.3	—	—	—	—	10	0.35	0.159
		35-60	4	3 3/16	2 7/16	1 9/16	3/4	1 13/16	1 1/32	1/8	81.0	61.9	39.7	19.1	20.6	8.7	3.2	10	1.20	0.544
		70-200	3	3 1/8	2 3/8	1 9/16	7/8	1 7/32	1 1/32	3/16	79.4	60.3	39.7	22.2	31.0	8.7	4.8	10	4.13	1.871
		225-800	3	3 27/32	2 25/32	1 19/32	1	1 1/2	13/32	1/4	97.6	70.6	40.5	25.4	38.1	10.3	6.4	10	6.08	2.756
KBC	600V	1-30	1	5	5/8	1 1/16	—	—	—	—	127.0	15.9	20.6	—	—	—	—	10	1.30	—
		35-60	3	4 3/8	3 5/8	2 3/4	5/8	1 13/16	1 1/32	3/32	111.1	92.1	69.9	15.9	20.6	8.8	2.4	10	1.38	0.624
		70-100	3	4 13/32	3 21/32	2 29/32	3/4	1	5/16	1/8	111.9	92.9	73.8	19.1	25.4	7.9	3.2	1	0.43	0.195
		110-200	3	4 13/32	3 21/32	2 29/32	7/8	1 7/32	5/16	3/16	111.9	92.9	73.8	22.2	31.0	7.9	4.8	1	0.95	0.431
KBH	500V	225-400	3	5 1/8	4 1/16	2 29/32	1	1 1/2	13/32	1/4	130.2	103.2	73.8	25.4	38.1	10.3	6.4	1	1.06	0.481
		450-600	3	5 1/8	4 1/16	2 7/8	1 1/2	2	13/32	1/4	130.2	103.2	73.0	38.1	50.8	10.3	6.4	1	1.28	0.581
		800	5-B	4	3 3/4	2 1/2	3	3/4	**	—	101.6	95.3	63.5	76.2	19.1	**	—	1	4.50	2.041
		1000	5-C	4	3 3/4	3	3 1/2	1 1/2	**	—	101.6	95.3	76.2	88.9	38.1	**	—	1	6.25	2.835
KBP	700V	35-60	4	3 3/16	2 7/16	1 9/16	3/4	1 13/16	1 1/32	7/8	81.0	61.9	39.7	19.1	20.6	8.7	3.2	10	1.20	0.544
		65-100	3	3 5/8	2 7/8	2 1/8	3/4	1	5/16	1/8	92.1	73.0	54.0	19.1	25.4	7.9	3.2	5	1.25	0.567
		125-200	3	3 5/8	2 7/8	2 1/8	7/8	1 7/32	5/16	3/16	92.1	73.0	54.0	22.2	31.0	7.9	4.8	5	1.95	0.885
		225-400	3	4 11/32	3 9/32	2 3/32	1	1 1/2	13/32	1/4	110.3	83.3	53.2	25.4	38.1	10.3	6.4	5	2.00	0.907
KBP	700V	450-600	3	4 15/32	3 13/32	2 7/32	1 1/2	2	13/32	1/4	113.5	86.5	56.4	38.1	50.8	10.3	6.4	1	1.20	0.544
		400-800	2**	6 15/32	4 21/32	4 9/32	2 7/32	1 7/32	2	2 1/2	164.4	118.3	108.7	56.4	13.5	50.8	63.5	1	2.85	1.293
		1000-1200	3	7	5	3 3/4	2 1/4	3	5/8	3/8	177.8	127.0	82.6	57.2	76.2	15.9	9.5	1	5.10	2.313
		25-30	1	2	—	9/16	—	—	—	—	50.8	—	14.3	—	—	—	—	10	0.35	0.159
KBP	700V	35-60	3	4 3/8	3 5/8	2 7/8	3/4	1	5/16	1/8	111.1	92.1	73.0	19.1	25.4	7.9	3.2	5	1.50	0.680
		70-100	3	4 3/8	3 5/8	2 7/8	7/8	1 7/32	5/16	3/16	111.1	92.1	73.0	22.2	31.0	7.9	4.8	5	2.35	1.066
		125-200	3	5 3/32	4 1/32	2 27/32	1	1 1/2	13/32	1/4	129.4	102.4	72.2	25.4	38.1	10.3	6.4	5	3.95	1.791
		225-400	3	5 3/32	4 1/32	2 27/32	1 1/2	2	13/32	1/4	129.4	102.4	72.2	38.1	50.8	10.3	6.4	1	1.40	0.635
		450-600	3	6 1/32	5 3/32	2 27/32	2	2 1/2	17/32	3/8	161.1	129.4	72.2	50.8	63.5	13.5	9.5	1	2.80	1.270

**Terminal Thickness: KAA 70-400, 3/16" (4.8 mm) KAC 100-200, 3/16" (4.8 mm) Mounting Hole Data: ** 3/8" - 24 x 1/2" (9.5 mm - 24 x 12.7 mm)
KAC 70-100, 1/8" (3.2 mm) KBH 700-800, 3/8" (9.5 mm) ■ 1/2" - 20 x 1/2" (12.7 mm - 20 x 12.7 mm)