

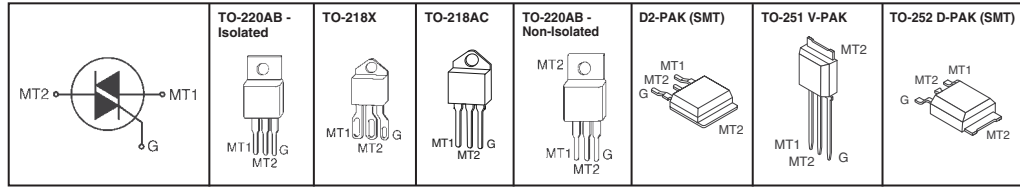


Alternistor Triacs 8 to 40 Amps

General Description:

Teccor's Alternistor Triac has been specifically designed for applications which are required to switch highly inductive loads.

To accomplish this, a special chip has been designed which effectively offers the same performance as two thyristors (SCRs) wired inverse parallel (back-to-back), hence, the alternistor has better turn-off behavior than a standard triac. All Alternistors have glass passivated junctions to ensure long term reliability and parameter stability.



Package	IT RMS (A)	VDRM (V)	IGT (mA)	Digi-Key Part No.	Price Each	100	Tape and Reel Qty.	Reel \$	
Isolated (File E71639) — RoHS Compliant									
TO-220AB	6.0	600	35	Q6006LH4-ND	1.41	1.25	1.13	—	
TO-220AB	8.0	400	35	Q4008LH4-ND	1.29	1.15	1.04	—	
		600		Q6008LH4-ND	1.43	1.28	1.15	—	
		800		Q8008LH4-ND	1.71	1.52	1.37	—	
TO-220AB	12.0	400	50	Q4012LH5-ND	1.50	1.34	1.20	—	
		600		Q6012LH5-ND	1.66	1.48	1.33	—	
TO-220AB	16.0	400	20	Q4016LH3-ND	1.85	1.64	1.48	—	
				600	Q6016LH3-ND	2.05	1.83	1.65	—
		200		Q2016LH4-ND	1.62	1.44	1.30	—	
		400		Q4016LH4-ND	1.98	1.77	1.59	—	
		600		Q6016LH4-ND	2.35	2.10	1.89	—	
		800		Q8016LH4-ND	1.68	1.50	1.35	—	
TO-220AB	25.0	400	80	Q4016LH6-ND	1.87	1.66	1.50	—	
				600	Q6016LH6-ND	2.21	1.97	1.78	—
				200	Q2025L6-ND	2.26	2.01	1.81	—
				400	Q4025L6-ND	2.49	2.22	2.00	—
TO-218AC	25.0	800	80	Q6025L6-ND	2.77	2.46	2.22	—	
				800	Q8025L6-ND	3.30	2.94	2.64	—
TO-220AB	30.0	600	50	Q6030LH5-ND	6.44	5.72	5.15	—	
TO-220AB	30.0	600	50	Q6030LH5-ND	3.07	2.73	2.46	—	

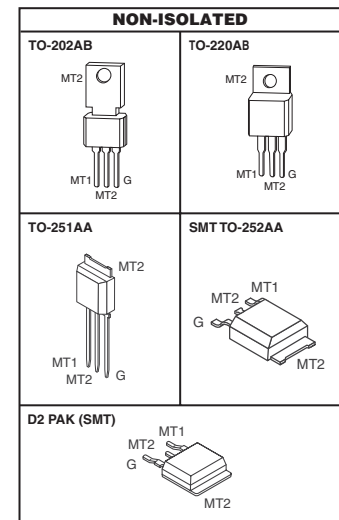
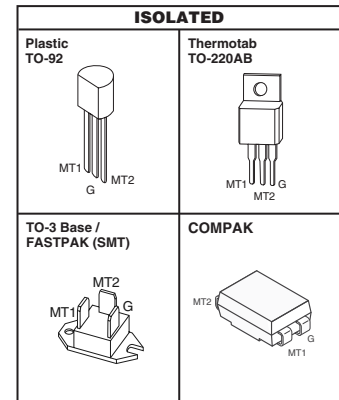
Package	IT RMS (A)	VDRM (V)	IGT (mA)	Digi-Key Part No.	Price Each	100	Tape and Reel Qty.	Reel \$
TO-218X	40.0	400	100	Q4040J7-ND	7.17	6.38	5.74	—
		600		Q6040J7-ND	7.96	7.08	6.37	—
TO-218AC	40.0	200	100	Q2040K7-ND	5.90	5.25	4.73	—
		400		Q4040K7-ND	6.50	5.79	5.21	—
		600		Q6040K7-ND	7.20	6.40	5.76	—
D2-PAK (SMT)	8.0	600	35	Q6008NH4RPT-ND†	2.56	2.10	1.78	500 557.60
		800		Q8008NH4RPT-ND†	3.04	2.50	2.11	500 662.15
TO-252 D-PAK	8.0	600	10	Q6008DH3RPT-ND†	1.06	.95	.85	2,500 660.80/M
		600		20	Q6016RH3-ND	1.85	1.64	1.48
TO-220AB	16.0	400	35	Q4016RH4-ND	1.62	1.44	1.30	—
		200		Q2016RH6-ND	1.38	1.23	1.11	—
		600		Q6016RH6-ND	1.68	1.50	1.35	—
D-PAK	16.0	800	80	Q8016NH4RPT-ND†	4.20	3.45	2.91	500 914.60
		200		Q2025R6-ND	2.03	1.81	1.63	—
TO-220AB	25.0	400	80	Q4025R6-ND	2.24	1.99	1.79	—
		600		Q6025R6-ND	2.49	2.22	2.00	—
		800		Q8025R6-ND	2.95	2.63	2.37	—

† Cut Tape § For Tape and Reel part number, change CT-ND to TR-ND.

Logic Triacs (1.0-8.0 Amps) and Gated Triacs (1-35 Amps)

IT RMS (A)	VDRM (V)	Package	IDRM @25°C (mA)	IGT (mA)	VGT (mA)	IH (mA)	Digi-Key Part No.	Price Each	100	Tape and Reel Qty.	Reel \$
Logic Triacs, Isolated — RoHS Compliant											
0.8	400	COMPAK	.01	3	2	5	L4X3CT-ND	1.24	1.02	.86	2,500 540.60/M
							L4X5CT-ND	1.20	.99	.84	2,500 523.60/M
1.0	200	TO-92	.01	3	2	5	L201E3-ND	.67	.60	.54	—
							L401E3-ND	.72	.64	.58	—
							L601E3-ND	.81	.72	.65	—
4.0	400	TO-92	.01	5	2	10	L201E5-ND	.65	.58	.52	—
							L401E5-ND	.67	.60	.54	—
							L601E5-ND	.76	.68	.61	—
8.0	400	TO-220AB	.01	3	2	5	L2004L3-ND	1.20	1.07	.96	—
							L4004L3-ND	1.25	1.11	1.00	—
							L6004L3-ND	1.43	1.28	1.15	—
8.0	600	TO-220AB	.01	5	2	10	L6004L5-ND	1.36	1.21	1.09	—
							L4008L6-ND	1.36	1.21	1.09	—
							L6008L6-ND	1.55	1.38	1.24	—
6.0	400	TO-252AA	.02	5	2	10	L4008D6CT-ND†	1.60	1.32	1.11	2,500 697.00/M
							L4008D6CT-ND†	1.64	1.35	1.14	2,500 714.00/M
Logic Triacs, Non-Isolated											
Gated Triacs, Isolated — RoHS Compliant											
0.8	400	COMPAK	.02	10	2	15	Q4X3CT-ND	1.04	.86	.73	2,500 453.90/M
							Q4N3CT-ND	1.24	1.02	.86	2,500 540.60/M
1.0	400	COMPAK	.02	10	2	15	Q6N3CT-ND	1.48	1.22	1.03	2,500 644.30/M
							Q201E3-ND	.58	.52	.47	—
							Q401E3-ND	.65	.58	.52	—
4.0	200	TO-92	.02	10	2	15	Q601E3-ND	.76	.68	.61	—
							Q2004L3-ND	.99	.89	.80	—
							Q4004L3-ND	1.08	.97	.87	—
8.0	400	TO-220AB	.05	10	2	20	Q6004L3-ND	1.29	1.15	1.04	—
							Q6004L4-ND	1.22	1.09	.98	—
							Q8004L4-ND	1.41	1.25	1.13	—
8.0	400	TO-220AB	.05	25	2.5	30	Q2008L4-ND	1.18	1.05	.95	—
							Q4008L4-ND	1.29	1.15	1.04	—
							Q6008L5-ND	1.43	1.28	1.15	—
10.0	400	TO-220AB	.05	25	2.5	35	Q4010L4-ND	1.48	1.32	1.19	—
							Q6010L4-ND	1.75	1.56	1.41	—
							Q2010L5-ND	1.27	1.13	1.02	—
15.0	200	TO-220AB	.05	50	2.5	70	Q4010L5-ND	1.41	1.25	1.13	—
							Q6010L5-ND	1.66	1.48	1.33	—
							Q2015L5-ND	1.52	1.36	1.22	—
25.0	600	TO-3	.1	50	2.75	50	Q4015L5-ND	1.68	1.50	1.35	—
							Q6015L5-ND	1.98	1.77	1.59	—
							Q6025P5-ND	7.98	7.10	6.39	—
35.0	600	TO-3	.1	50	2.75	50	Q6035P5-ND	9.71	8.63	7.77	—
							Q6035P5-ND	9.71	8.63	7.77	—
Gated Triacs, Non-Isolated											
4.0	400	TO-252AA	.05	10	2	20	Q4004D3CT-ND†	1.44	1.19	1.00	2,500 627.30/M
6.0	400	D2-PAK	.05	25	2.5	50	Q4006N4RPT-ND†	2.12	1.74	1.47	500 461.55
8.0	400	TO-220AB	.05	25	2.5	50	Q4008R4-ND	1.18	1.05	.95	—
							Q6008R5-ND	1.31	1.17	1.06	—
10.0	400	D2-PAK	.05	50	2.5	50	Q6008NR5RPT-ND†	2.56	2.10	1.78	500 557.60
							Q4010R5-ND	1.29	1.15	1.04	—
15.0	200	TO-220AB	.05	50	2.5	70	Q4010NR5RPT-ND†	2.48	2.04	1.72	500 540.60
							Q2015R5-ND	1.41	1.25	1.13	—
25.0	600	TO-220AB	.1	50	2.5	100	Q4015R5-ND	1.55	1.38	1.24	—
							Q6015R5-ND	1.85	1.64	1.48	—
							Q6025R5-ND	2.35	2.10	1.89	—
25.0	600	D2-PAK	.1	50	2.5	100	Q6025NR5RPT-ND†	4.52	3.71	3.13	500 984.30

◆ RoHS Compliant † Cut Tape § For Tape and Reel part number, change CT-ND to TR-ND.



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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