

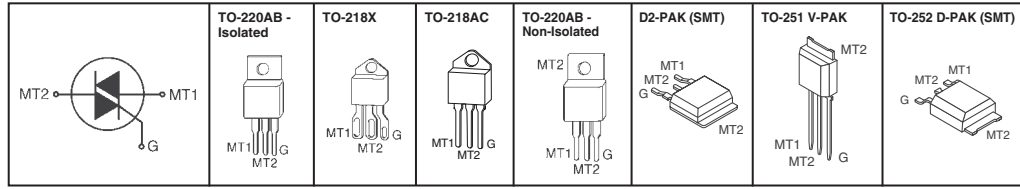


Alternistor Triacs 8 to 40 Amps

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 Pricing
Isolated (File E71639) — RoHS Compliant								
TO-220AB	6.0	600	35	Q6006LH4-ND	1.48	1.32	1.19	—
TO-220AB	8.0	600	35	Q4008LH4-ND	1.36	1.21	1.09	—
				Q6008LH4-ND	1.50	1.34	1.21	—
				Q8008LH4-ND	1.79	1.60	1.44	—
TO-220AB	12.0	600	50	Q4012LH5-ND	1.58	1.40	1.26	—
				Q6012LH5-ND	1.74	1.55	1.40	—
TO-220AB	16.0	400	20	Q4016LH3-ND	1.94	1.73	1.55	—
				Q6016LH3-ND	2.16	1.92	1.73	—
				Q2016LH4-ND	1.70	1.51	1.36	—
				Q6016LH4-ND	2.09	1.86	1.67	—
	800	80	20	Q8016LH3-ND	2.47	2.20	1.98	—
				Q4016LH6-ND	1.77	1.58	1.42	—
				Q6016LH6-ND	1.96	1.75	1.57	—
				Q8016LH6-ND	2.33	2.07	1.87	—
TO-220AB	25.0	400	80	Q2025L6-ND	2.38	2.12	1.91	—
				Q4025L6-ND	2.62	2.33	2.10	—
				Q6025L6-ND	2.91	2.59	2.33	—
				Q8025L6-ND	3.47	3.08	2.78	—
TO-218AC	25.0	800	80	Q8025K6TP-ND	6.76	6.01	5.41	—
TO-220AB	30.0	600	50	Q6030LH5-ND	3.22	2.87	2.58	—

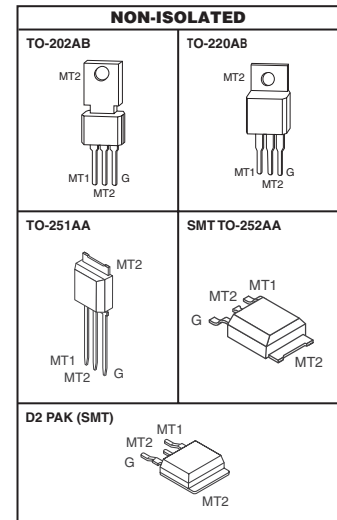
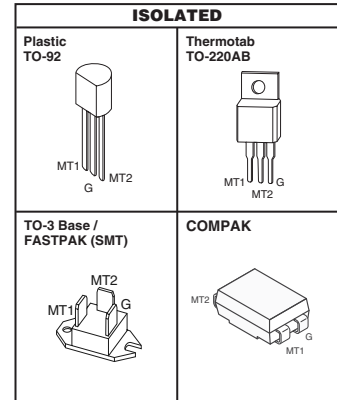
Package	IT RMS (A)	VDRM (V)	IGT (mA)	Digi-Key Part No.	Price Each	100	Tape and Reel Qty.	Reel Pricing
TO-218X	40.0	400	100	Q4040J7TP-ND	7.54	6.70	6.03	—
TO-218AC	40.0	200	100	Q6040J7TP-ND	8.36	7.43	6.69	—
				Q2040K7TP-ND	6.20	5.52	4.97	—
				Q4040K7TP-ND	6.83	6.08	5.47	—
D2-PAK (SMT)	8.0	600	35	Q6008NH4RPT-ND†	2.69	2.21	1.87	500 585.65
				Q8008NH4RPT-ND†	3.19	2.62	2.21	500 695.30
				Q6008DH3RPT-ND†	1.12	1.00	.90	2,500 694.40/M
TO-252 D-PAK	8.0	600	20	Q6016RH3-ND	1.94	1.73	1.55	—
				Q4016RH4-ND	1.70	1.51	1.36	—
				Q2016RH6-ND	1.45	1.30	1.17	—
TO-220AB	16.0	400	35	Q4016RH4-ND	1.70	1.51	1.36	—
				Q2016RH6-ND	1.45	1.30	1.17	—
				Q6016RH6-ND	1.77	1.58	1.42	—
D-PAK	16.0	800	80	Q8016NH4RPT-ND†	4.41	3.62	3.06	500 960.50
				Q2025R6-ND	2.13	1.90	1.71	—
TO-220AB	25.0	400	80	Q4025R6-ND	2.35	2.09	1.88	—
				Q6025R6-ND	2.62	2.33	2.10	—
				Q8025R6-ND	3.10	2.76	2.49	—
				Q8025R6-ND	3.10	2.76	2.49	—

† 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 Pricing
Logic Triacs, Isolated — RoHS Compliant											
0.8	400	COMPAK	.01	3	2	5	L4X3CT-ND	1.30	1.07	2,500	567.80/M
							L4X5CT-ND	1.26	1.04	2,500	550.80/M
1.0	200	TO-92	.01	3	2	5	L201E3-ND	.70	.63	.57	—
							L401E3-ND	.75	.67	.61	—
							L601E3-ND	.85	.76	.68	—
							L201E5-ND	.68	.61	.55	—
4.0	400	TO-220AB	.01	3	2	5	L401E5-ND	.70	.63	.57	—
							L601E5-ND	.80	.71	.64	—
							L2004L3-ND	1.26	1.12	1.01	—
							L4004L3-ND	1.31	1.17	1.05	—
8.0	400	TO-220AB	.02	5	2	10	L6004L3-ND	1.50	1.34	1.21	—
							L6004L5-ND	1.43	1.28	1.15	—
							L4008L6-ND	1.43	1.28	1.15	—
							L6008L6-ND	1.62	1.45	1.30	—
6.0	400	TO-252AA	.02	5	2	10	L4008D6CT-ND†	1.68	1.38	1.17	2,500 732.70/M
							L4008D6CT-ND†	1.72	1.42	1.20	2,500 749.70/M
Logic Triacs, Non-Isolated											
Gated Triacs, Isolated — RoHS Compliant											
0.8	400	COMPAK	.02	10	2	15	Q4X3CT-ND	1.09	.90	.76	2,500 476.00/M
							Q4N3CT-ND	1.30	1.07	.91	2,500 567.80/M
1.0	200	TO-92	.02	10	2	15	Q6N3CT-ND	1.55	1.28	1.08	2,500 676.60/M
							Q201E3-ND	.61	.54	.49	—
							Q401E3-ND	.68	.61	.55	—
							Q601E3-ND	.80	.71	.64	—
4.0	200	TO-220AB	.05	10	2	20	Q2004L3-ND	1.04	.93	.84	—
							Q4004L3-ND	1.14	1.02	.92	—
							Q6004L3-ND	1.36	1.21	1.09	—
							Q6004L4-ND	1.28	1.14	1.03	—
8.0	200	TO-220AB	.05	25	2.5	30	Q8004L4-ND	1.48	1.32	1.19	—
							Q2008L4-ND	1.24	1.10	.99	—
							Q4008L4-ND	1.36	1.21	1.09	—
							Q6008L5-ND	1.50	1.34	1.21	—
10.0	200	TO-220AB	.05	25	2.5	35	Q4010L4-ND	1.55	1.38	1.25	—
							Q6010L4-ND	1.84	1.64	1.48	—
							Q2010L5-ND	1.33	1.19	1.07	—
							Q4010L5-ND	1.48	1.32	1.19	—
15.0	200	TO-220AB	.05	50	2.5	70	Q6010L5-ND	1.74	1.55	1.40	—
							Q2015L5-ND	1.60	1.43	1.28	—
							Q4015L5-ND	1.77	1.58	1.42	—
							Q6015L5-ND	2.09	1.86	1.67	—
25.0	600	TO-3	.1	50	2.75	50	Q6025P5-ND	8.38	7.46	6.71	—
35.0	600	TO-3	.1	50	2.75	50	Q6035P5-ND	10.20	9.07	8.16	—
Gated Triacs, Non-Isolated											
4.0	400	TO-252AA	.05	10	2	20	Q4004D3CT-ND†	1.51	1.25	1.05	2,500 659.60/M
6.0	400	D2-PAK	.05	25	2.5	50	Q4006N4RPT-ND†	2.22	1.83	1.54	500 484.50
8.0	400	TO-220AB	.05	25	2.5	50	Q4008R4-ND	1.24	1.10	.99	—
							Q6008R5-ND	1.38	1.23	1.11	—
10.0	400	TO-220AB	.05	50	2.5	50	Q6008NR5RPT-ND†	2.69	2.21	1.87	500 585.65
							Q4010R5-ND	1.36	1.21	1.09	—
15.0	200	TO-220AB	.05	50	2.5	70	Q4010NR5RPT-ND†	2.61	2.14	1.81	500 567.80
							Q2015R5-ND	1.48	1.32	1.19	—
							Q4015R5-ND	1.62	1.45	1.30	—
							Q6015R5-ND	1.94	1.73	1.55	—
25.0	600	TO-220AB	.1	50	2.5	100	Q6025R5-ND	2.47	2.20	1.98	—
							Q6025NR5RPT-ND†	4.74	3.90	3.29	500 1033.60

◆ 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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