

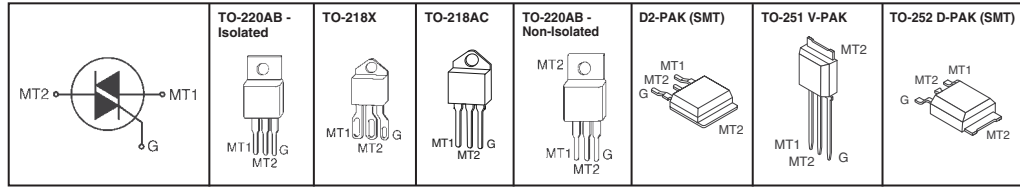


**Alternistor Triacs 8 to 40 Amps**

**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 \$
<b>Isolated (File E71639) - RoHS Compliant</b>								
TO-220AB	6.0	600	35	Q6006LH4-ND	1.79	1.58	1.34	---
TO-220AB	8.0	400	35	Q4008LH4-ND	1.64	1.45	1.23	---
		600		Q6008LH4-ND	1.82	1.60	1.36	---
		800		Q8008LH4-ND	2.17	1.91	1.63	---
TO-220AB	12.0	400	50	Q4012LH5-ND	1.91	1.68	1.43	---
		600		Q6012LH5-ND	2.11	1.86	1.58	---
TO-220AB	16.0	400	20	Q4016LH3-ND	2.34	2.07	1.76	---
				600	Q6016LH3-ND	2.61	2.30	1.95
		200		Q2016LH4-ND	1.23	1.09	.98	---
				600	Q6016LH4-ND	2.53	2.23	1.89
	600	80	Q8016LH4-ND	2.80	2.48	1.92	---	
			400	Q4016LH6-ND	2.14	1.89	1.60	---
		200	Q2016LH6-ND	2.37	2.09	1.78	---	
			600	Q6016LH6-ND	2.63	2.33	1.81	---
TO-220AB	25.0	400	80	Q2025L6-ND	2.69	2.38	1.84	---
				600	Q4025L6-ND	2.95	2.62	2.03
		800		Q6025L6-ND	3.28	2.91	2.26	---
				600	Q8025L6-ND	3.91	3.47	2.69
TO-218AC	25.0	800	80	Q8025K6TP-ND	6.98	6.33	5.02	---
TO-220AB	30.0	600	50	Q6030LH5-ND	3.64	3.23	2.50	---

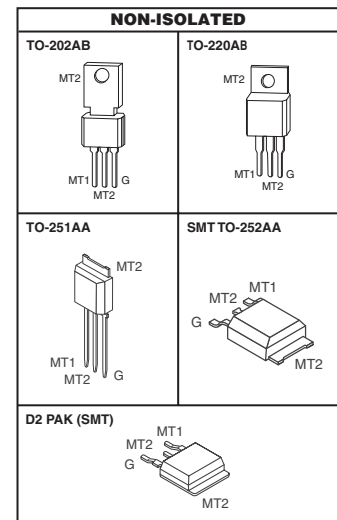
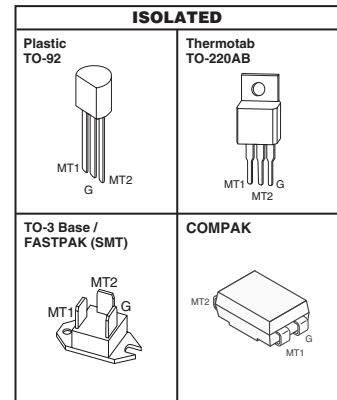
Package	IT RMS (A)	VDRM (V)	IGT (mA)	Digi-Key Part No.	Price Each	100	Tape and Reel Qty.	Reel \$				
TO-218X	40.0	400	100	Q4040J7TP-ND	7.78	7.06	5.60	---				
				Q6040J7TP-ND	8.63	7.83	6.21	---				
TO-218AC	40.0	200	100	Q2040K7TP-ND	6.40	5.81	4.61	---				
		400		Q4040K7TP-ND	7.06	6.40	5.08	---				
		600		Q6040K7TP-ND	7.80	7.08	5.61	---				
				Q8040K7TP-ND	9.28	8.42	6.68	---				
				<b>Non-Isolated</b>								
				D2-PAK	8.0	600	35	Q6008NH4RPT-ND†	1.87	1.66	1.41	500 575.25
Q8008NH4RPT-ND†	2.23	1.96	1.67					500 682.95				
TO-252 D-PAK	8.0	600	10	Q6008DH3RPT-ND†	1.44	1.23	1.05	2,500 630.17/M				
				600	20	Q6016RH3-ND	1.40	1.25	1.12	---		
TO-220AB	16.0	400	35	Q4016RH4-ND	2.05	1.81	1.54	---				
				600	Q6016RH4-ND	2.12	1.05	.94	---			
		200		Q2016RH6-ND	2.14	1.89	1.60	---				
				600	Q6016RH6-ND	2.14	1.89	1.60	---			
D-PAK	16.0	800	35	Q8016NH4RPT-ND†	2.87	2.55	1.97	500 779.36				
				200	Q2025R6-ND	2.58	2.28	1.93	---			
TO-220AB	25.0	400	80	Q4025R6-ND	2.65	2.35	1.82	---				
				600	Q6025R6-ND	2.95	2.62	2.03	---			
		800		Q8025R6-ND	3.50	3.11	2.41	---				
				600	Q8025R6-ND	3.50	3.11	2.41	---			

† 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 \$
<b>Logic Triacs, Isolated - RoHS Compliant</b>											
0.8	400	COMPAK	.01	3	2	5	L4X3CT-ND	.97	.83	.71	2,500 424.35/M
							L4X5CT-ND	.94	.80	.69	2,500 411.65/M
1.0	200	TO-92	.01	3	2	5	L201E3-ND	.91	.77	.66	---
							L401E3-ND	.97	.83	.71	---
	400	TO-92	.01	5	2	10	L601E3-ND	1.10	.94	.80	---
							L201E5-ND	.87	.75	.64	---
4.0	200	TO-220AB	.01	3	2	5	L2004L3-ND	1.52	1.35	1.14	---
							L4004L3-ND	1.58	1.40	1.19	---
	400	TO-220AB	.01	5	2	10	L6004L3-ND	1.82	1.60	1.36	---
							L6004L5-ND	1.74	1.53	1.30	---
600	TO-220AB	.02	5	2	10	L4008L6-ND	1.74	1.53	1.30	---	
						L6008L6-ND	1.97	1.73	1.47	---	
8.0	600	TO-220AB	.02	10	2	20	L6008L8-ND	1.85	1.63	1.39	---
							---	---	---	---	
<b>Logic Triacs, Non-Isolated</b>											
6.0	400	TO-252AA	.02	5	2	10	L4008D6CT-ND†	1.25	1.07	.91	2,500 547.59/M
8.0	400	TO-252AA	.02	5	2	10	L4008D6CT-ND†	1.28	1.09	.93	2,500 560.30/M
<b>Gated Triacs, Isolated - RoHS Compliant</b>											
0.8	400	COMPAK	.02	10	2	15	Q4X3CT-ND	.81	.70	.59	2,500 355.74/M
							Q4N3CT-ND	.97	.83	.71	2,500 424.35/M
1.0	200	COMPAK	.02	10	2	15	Q6N3CT-ND	1.15	.99	.84	2,500 505.66/M
							Q201E3-ND	.78	.67	.57	---
	400	TO-92	.02	10	2	15	Q401E3-ND	.87	.75	.64	---
							Q601E3-ND	1.03	.88	.75	---
4.0	200	TO-220AB	.05	10	2	20	Q2004L3-ND	1.34	1.15	.98	---
							Q4004L3-ND	1.38	1.22	1.03	---
	400	TO-220AB	.05	25	2.5	30	Q6004L3-ND	1.64	1.45	1.23	---
							Q6004L4-ND	1.55	1.37	1.16	---
8.0	200	TO-220AB	.05	25	2.5	50	Q8004L4-ND	1.07	.95	.86	---
							Q2008L4-ND	1.50	1.32	1.12	---
	400	TO-220AB	.05	25	2.5	50	Q4008L4-ND	1.64	1.45	1.23	---
							Q6008L5-ND	1.82	1.60	1.36	---
10.0	200	TO-220AB	.05	25	2.5	35	Q4010L4-ND	1.87	1.66	1.41	---
							Q6010L4-ND	2.23	1.96	1.67	---
	400	TO-220AB	.05	50	2.5	35	Q2010L5-ND	1.61	1.42	1.21	---
							Q4010L5-ND	1.79	1.58	1.34	---
600	TO-220AB	.05	50	2.5	35	Q6010L5-ND	2.11	1.86	1.58	---	
						Q2015L5-ND	1.94	1.71	1.45	---	
15.0	200	TO-220AB	.05	50	2.5	70	Q4015L5-ND	2.14	1.89	1.60	---
							Q6015L5-ND	2.53	2.23	1.89	---
25.0	600	TO-3	.1	50	2.75	50	Q6025P5-ND	8.65	7.85	6.23	---
35.0	600	TO-3	.1	50	2.75	50	Q6035P5-ND	10.53	9.55	7.57	---
<b>Gated Triacs, Non-Isolated</b>											
4.0	400	TO-252AA	.05	10	2	20	Q4004D3CT-ND†	1.13	.96	.82	2,500 492.96/M
6.0	400	D2-PAK	.05	25	2.5	50	Q4006N4RPT-ND†	1.55	1.37	1.16	500 475.89
8.0	400	TO-220AB	.05	25	2.5	50	Q4008R4-ND	1.50	1.32	1.12	---
							Q6008R5-ND	1.67	1.47	1.25	---
10.0	400	D2-PAK	.05	50	2.5	50	Q6008N5RPT-ND†	1.87	1.66	1.41	---
							Q4010R5-ND	1.64	1.45	1.23	---
15.0	400	TO-220AB	.05	50	2.5	70	Q4010N5RPT-ND†	1.82	1.60	1.36	500 557.71
							Q2015R5-ND	1.79	1.58	1.34	---
25.0	400	D2-PAK	.1	50	2.5	100	Q4015R5-ND	1.97	1.73	1.47	---
							Q6015R5-ND	2.34	2.07	1.76	---
	600	TO-220AB	.1	50	2.5	100	Q6025R5-ND	2.80	2.48	1.92	---
							Q6025N5RPT-ND†	3.09	2.74	2.12	500 838.68

◆ 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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