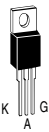
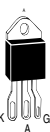
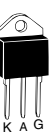
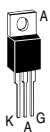
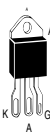
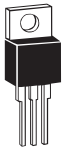
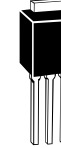
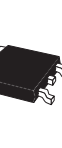
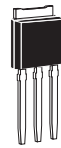


TYPE	Part Number						I _T		V _{DRM} & V _{RRM}	I _{GT}		I _{DRM} & I _{RRM}			
	Isolated			Non-isolated											
								(1) (15)		Volts	(4)	(14)			
	TO-220	TO-218X	TO-218	TO-220	TO-218X	TO-218	TO-263 D ² Pak	Amps				mAmps			
	I _{T(RMS)}	I _{T(AV)}	MAX		MIN	MIN	MAX	T _C = 25 °C	T _C = 100 °C	T _C = 125 °C					
See "Package Dimensions" section for variations. (11)															
15 A	S2015L							15	9.5	200	1	30	0.01	0.5	1
	S4015L							15	9.5	400	1	30	0.01	0.5	1
	S6015L							15	9.5	600	1	30	0.01	0.5	1
	S8015L							15	9.5	800	1	30	0.02	1	2
	SK015L							15	9.5	1000	1	30	0.02	3	
16 A				S2016R			S2016N	16	10	200	1	30	0.01	0.5	1
				S4016R			S4016N	16	10	400	1	30	0.01	0.5	1
				S6016R			S6016N	16	10	600	1	30	0.01	0.5	1
				S8016R			S8016N	16	10	800	1	30	0.02	1	2
				SK016R			SK016N	16	10	1000	1	30	0.02	3	
20 A	S2020L							20	12.8	200	1	30	0.01	0.5	1
	S4020L							20	12.8	400	1	30	0.01	0.5	1
	S6020L							20	12.8	600	1	30	0.01	0.5	1
	S8020L							20	12.8	800	1	30	0.02	1.0	2
	SK020L							20	12.8	1000	1	30	0.02	3	
25 A	S2025L			S2025R			S2025N	25	16	200	1	35	0.01	1	2
	S4025L			S4025R			S4025N	25	16	400	1	35	0.01	1	2
	S6025L			S6025R			S6025N	25	16	600	1	35	0.01	1	2
	S8025L			S8025R			S8025N	25	16	800	1	35	0.02	1.5	3
	SK025L			SK025R			SK025N	25	16	1000	1	35	0.02	3	
35 A		S2035J	S2035K					35	22	200	5	40	0.01	1	2
		S4035J	S4035K					35	22	400	5	40	0.01	1	2
		S6035J	S6035K					35	22	600	5	40	0.01	1	2
		S8035J	S8035K					35	22	800	5	40	0.02	1.5	3
			SK035K					35	22	1000	5	40	0.02	3	
40 A				S2040R			S2040N	40	25	200	5	40	0.01	1	2
				S4040R			S4040N	40	25	400	5	40	0.01	1	2
				S6040R			S6040N	40	25	600	5	40	0.01	1	2
				S8040R			S8040N	40	25	800	5	40	0.02	1.5	3
				SK040R			SK040N	40	25	1000	5	40	0.03	5	
55 A				S2055R	S2055W	S2055M	S2055N	55	35	200	5	40	0.01	1	2
				S4055R	S4055W	S4055M	S4055N	55	35	400	5	40	0.01	1	2
				S6055R	S6055W	S6055M	S6055N	55	35	600	5	40	0.01	1	2
				S8055R	S8055W	S8055M	S8055N	55	35	800	5	40	0.02	1.5	3
				SK055R		SK055M	SK055N	55	35	1000	5	40	0.03	5	
65 A		S2065J	S2065K					65	41	200	5	50	0.02	1.5	3
		S4065J	S4065K					65	41	400	5	50	0.02	1.5	3
		S6065J	S6065K					65	41	600	5	50	0.02	1.5	3
		S8065J	S8065K					65	41	800	5	50	0.02	2	5
			SK065K					65	41	1000	5	50	0.03	5	
70 A					S2070W			70	45	200	5	50	0.02	1.5	3
					S4070W			70	45	400	5	50	0.02	1.5	3
					S6070W			70	45	600	5	50	0.02	1.5	3
					S8070W			70	45	800	5	50	0.02	2	5

See "General Notes" on page E6 - 2 and "Electrical Specification Notes" on page E6 - 3.

Thermal Resistance (Steady State) R _{θJC} [R _{θJA}] °C/W (TYP.)											
Pkg. Code	L	F	F2	R	J	W	K	M	D	V	N
Type	 TO-220 Isolated	 TO-202 Type 1 Non-isolated	 TO-202 Type 2 Non-isolated	 TO-220 Non-isolated	 TO-218X Isolated	 TO-218X Non-isolated	 TO-218 Isolated	 TO-218 Non-isolated	 TO-252 D-Pak Surface Mount	 TO-251AA V-Pak Non-isolated	 TO-263 D²Pak Non-isolated
1 A	See below										
6 A	4.0 [50]	4.3 [45]	9.5 [70]						1.7	2.3 [70]	
8 A	3.4	3.9		1.8 [40]					1.5	2.0	
10 A	3.0	3.4		1.6					1.45	1.7	
12 A				1.5					1.4	1.6	
15 A	2.5										
16 A				1.3							1.3
20 A	2.4										
25 A	2.35			1.0							1.0
35 A					0.70		0.70				
40 A				0.6							0.6
55 A				0.5		0.53		0.53			0.5
65 A					0.86		0.86				
70 A						0.60					

Thermal Resistance (Steady State) R _{θJC} [R _{θJA}] °C/W (TYP.)		
Package Code	C	E
Type	 Compak	 TO-92
1 A	35 *	50 [145]

* Mounted on 1cm² copper foil surface; two-ounce copper foil

Electrical Isolation

Teccor's isolated SCR packages will withstand a minimum high potential test of 2500 V ac rms from leads to mounting tab over the device's operating temperature range. The following table shows standard and optional isolation ratings.

Electrical Isolation * from Leads to Mounting Tab			
V AC RMS	TO-220 Isolated	TO-218X Isolated	TO-218 Isolated
2500	Standard	Standard	Standard
4000	Optional **	N/A	N/A

* UL Recognized File #E71639

** For 4000 V isolation, use "V" suffix in part number.