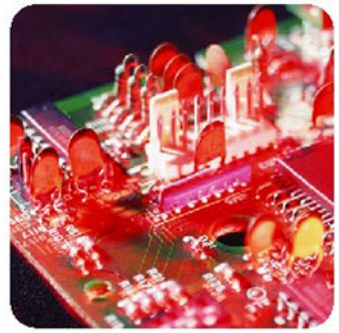
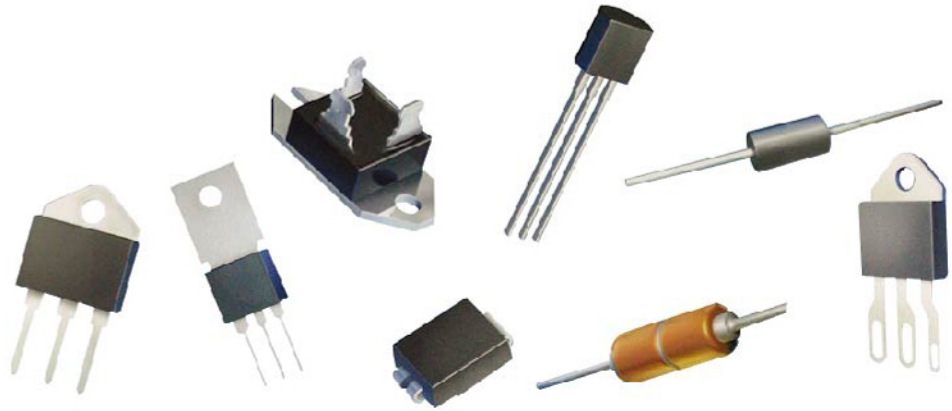
汎浩有限公司
Pan Hao Co., Ltd.

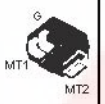
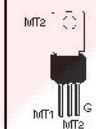
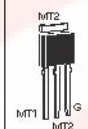


TECCOR®

- Sensitive Triacs
- Triacs
- Alternistor Triacs
- SCRs
- Sensitive SCRs
- Rectifiers
- Diacs
- Sidac



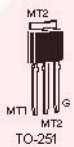
Sensitive Triacs (0.8 A to 8 A) RoHS

$I_{T(RMS)}$	Part No. Isolated			Non-isolated			V_{DRM}	I_{GT}				I_{DRM}		V_{TM}	V_{GT}	I_H	I_{GTM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt(c)	dv/dt	t_{gt}	I^2t	di/dt
(11)							(1)	(3) (6) (9)				(1) (14)		(1) (4)	(2) (5) (15)	(1) (7)	(13)	(13)		(8) (10)	(1) (10)	(1)	(9)		
	TO-92	Compak	TO-220	TO-252 D-Pak	TO-202	TO-251 V-Pak	Volts	mAmps				mAmps		Volts	Volts	mAmps	Amps	Watts	Watts	Amps 0/50 Hz	Volts/µSec	Volts/µSec	µSec	$Amps^2Sec$	Amps/µSec
								QI	QII	QIII	QIV	T_C= 25 °C	T_C= 110 °C	T_C= 25 °C	T_C= 25 °C							T_C= 100 °C			
MAX	See "Package Dimensions" section for variations. (12)						MIN	MAX				MAX		MAX	MAX	MAX					TYP	TYP	TYP		
0.8 A	L2X8E3	L2X3					200	3	3	3	3	0.01	0.1	1.6	2	5	1	10	0.2	10/8.3	0.5	20	2.8	0.41	20
	L4X8E3	L4X3					400	3	3	3	3	0.01	0.1	1.6	2	5	1	10	0.2	10/8.3	0.5	15	2.8	0.41	20
	L6X8E3	L6X3					600	3	3	3	3	0.01	0.1	1.6	2	5	1	10	0.2	10/8.3	0.5	10	2.8	0.41	20
	L2X8E5	L2X5					200	5	5	5	5	0.01	0.1	1.6	2	10	1	10	0.2	10/8.3	1	20	3	0.41	20
	L4X8E5	L4X5					400	5	5	5	5	0.01	0.1	1.6	2	10	1	10	0.2	10/8.3	1	15	3	0.41	20
	L6X8E5	L6X5					600	5	5	5	5	0.01	0.1	1.6	2	10	1	10	0.2	10/8.3	1	10	3	0.41	20
	L2X8E6						200	5	5	5	10	0.01	0.1	1.6	2	10	1	10	0.2	10/8.3	1	30	3	0.41	20
	L4X8E6						400	5	5	5	10	0.01	0.1	1.6	2	10	1	10	0.2	10/8.3	1	25	3	0.41	20
	L6X8E6						600	5	5	5	10	0.01	0.1	1.6	2	10	1	10	0.2	10/8.3	1	20	3	0.41	20
	L2X8E8						200	10	10	10	20	0.01	0.1	1.6	2	15	1	10	0.2	10/8.3	2	35	3.2	0.41	20
	L4X8E8						400	10	10	10	20	0.01	0.1	1.6	2	15	1	10	0.2	10/8.3	2	30	3.2	0.41	20
	L6X8E8						600	10	10	10	20	0.01	0.1	1.6	2	15	1	10	0.2	10/8.3	2	25	3.2	0.41	20
1 A	L201E3	L2N3					200	3	3	3	3	0.01	0.1	1.6	2	5	1	10	0.2	20/16.7	0.5	20	2.8	1.6	20
	L401E3	L4N3					400	3	3	3	3	0.01	0.1	1.6	2	5	1	10	0.2	20/16.7	0.5	20	2.8	1.6	20
	L601E3	L6N3					600	3	3	3	3	0.01	0.1	1.6	2	5	1	10	0.2	20/16.7	0.5	10	2.8	1.6	20
	L201E5	L2N5					200	5	5	5	5	0.01	0.1	1.6	2	10	1	10	0.2	20/16.7	1	20	3	1.6	20
	L401E5	L4N5					400	5	5	5	5	0.01	0.1	1.6	2	10	1	10	0.2	20/16.7	1	20	3	1.6	20
	L601E5	L6N5					600	5	5	5	5	0.01	0.1	1.6	2	10	1	10	0.2	20/16.7	1	10	3	1.6	20
	L201E6						200	5	5	5	10	0.01	0.1	1.6	2	10	1	10	0.2	20/16.7	1	30	3	1.6	20
	L401E6						400	5	5	5	10	0.01	0.1	1.6	2	10	1	10	0.2	20/16.7	1	30	3	1.6	20
	L601E6						600	5	5	5	10	0.01	0.1	1.6	2	10	1	10	0.2	20/16.7	1	20	3	1.6	20
	L201E8						200	10	10	10	20	0.01	0.1	1.6	2	15	1	10	0.2	20/16.7	1	35	3.2	1.6	20
	L401E8						400	10	10	10	20	0.01	0.1	1.6	2	15	1	10	0.2	20/16.7	1	35	3.2	1.6	20
	L601E8						600	10	10	10	20	0.01	0.1	1.6	2	15	1	10	0.2	20/16.7	1	25	3.2	1.6	20
4 A			L2004L3	L2004D3	L2004F31	L2004V3	200	3	3	3	3	0.01	0.2	1.6	2	5	1.2	15	0.3	40/33	0.5	25	2.8	6.6	50
			L4004L3	L4004D3	L4004F31	L4004V3	400	3	3	3	3	0.01	0.2	1.6	2	5	1.2	15	0.3	40/33	0.5	25	2.8	6.6	50
			L6004L3	L6004D3	L6004F31	L6004V3	600	3	3	3	3	0.01	0.2	1.6	2	5	1.2	15	0.3	40/33	0.5	15	2.8	6.6	50
			L2004L5	L2004D5	L2004F51	L2004V5	200	5	5	5	5	0.01	0.2	1.6	2	10	1.2	15	0.3	40/33	1	25	3	6.6	50
			L4004L5	L4004D5	L4004F51	L4004V5	400	5	5	5	5	0.01	0.2	1.6	2	10	1.2	15	0.3	40/33	1	25	3	6.6	50
			L6004L5	L6004D5	L6004F51	L6004V5	600	5	5	5	5	0.01	0.2	1.6	2	10	1.2	15	0.3	40/33	1	15	3	6.6	50
			L2004L6	L2004D6	L2004F61	L2004V6	200	5	5	5	10	0.01	0.2	1.6	2	10	1.2	15	0.3	40/33	1	30	3	6.6	50
			L4004L6	L4004D6	L4004F61	L4004V6	400	5	5	5	10	0.01	0.2	1.6	2	10	1.2	15	0.3	40/33	1	30	3	6.6	50
			L6004L6	L6004D6	L6004F61	L6004V6	600	5	5	5	10	0.01	0.2	1.6	2	10	1.2	15	0.3	40/33	1	20	3	6.6	50
6 A			L2004L8	L2004D8	L2004F81	L2004V8	200	10	10	10	20	0.01	0.2	1.6	2	15	1.2	15	0.3	40/33	2	35	3.2	6.6	50
			L4004L8	L4004D8	L4004F81	L4004V8	400	10	10	10	20	0.01	0.2	1.6	2	15	1.2	15	0.3	40/33	2	35	3.2	6.6	50
			L6004L8	L6004D8	L6004F81	L6004V8	600	10	10	10	20	0.01	0.2	1.6	2	15	1.2	15	0.3	40/33	2	25	3.2	6.6	50
			L2006L5	L2006D5		L2006V5	200	5	5	5	5	0.02	0.5	1.6	2	10	1.6	18	0.4	60/50	1	40	3	15	70
			L4006L5	L4006D5		L4006V5	400	5	5	5	5	0.02	0.5	1.6	2	10	1.6	18	0.4	60/50	1	30	3	15	70
			L6006L5	L6006D5		L6006V5	600	5	5	5	5	0.02	0.5	1.6	2	10	1.6	18	0.4	60/50	1	20	3	15	70
			L2006L6	L2006D6		L2006V6	200	5	5	5	10	0.02	0.5	1.6	2	10	1.6	18	0.4	60/50	2	40	3	15	70
			L4006L6	L4006D6		L4006V6	400	5	5	5	10	0.02	0.5	1.6	2	10	1.6	18	0.4	60/50	2	30	3	15	70
			L6006L6	L6006D6		L6006V6	600	5	5	5	10	0.02	0.5	1.6	2	10	1.6	18	0.4	60/50	2	20	3	15	70
			L2006L8	L2006D8		L2006V8	200	10	10	10	20	0.02	0.5	1.6	2	20	1.6	18	0.4	60/50	2	45	3.2	15	70
			L4006L8	L4006D8		L4006V8	400	10	10	10	20	0.02	0.5	1.6	2	20	1.6	18	0.4	60/50	2	40	3.2	15	70
			L6006L8	L6006D8		L6006V8	600	10	10	10	20	0.02	0.5	1.6	2	20	1.6	18	0.4	60/50	2	30	3.2	15	70
8 A			L2008L6	L2008D6		L2008V6	200	5	5	5	10	0.02	0.5	1.6	2	10	1.6	18	0.4	80/65	2	40	3	26.5	70
			L4008L6	L4008D6		L4008V6	400	5	5	5	10	0.02	0.5	1.6	2	10	1.6	18	0.4	80/65	2	30	3	26.5	70
			L6008L6	L6008D6		L6008V6	600	5	5	5	10	0.02	0.5	1.6	2	10	1.6	18	0.4	80/65	2	20	3	26.5	70
			L2008L8	L2008D8		L2008V8	200	10	10	10	20	0.02	0.5	1.6	2	20	1.6	18	0.4	80/65	2	45	3.2	26.5	70
			L4008L8	L4008D8		L4008V8	400	10	10	10	20	0.02	0.5	1.6	2	20	1.6	18	0.4	80/65	2	40	3.2	26.5	70
			L6008L8	L6008D8		L6008V8	600	10	10	10	20	0.02	0.5	1.6	2	20	1.6	18	0.4	80/65	2	30	3.2	26.5	70

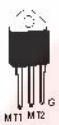
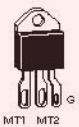
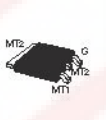
Triacs (0.8A to 35A) RoHS

$I_{T(RMS)}$	Part Number									V_{DRM}	I_{GT}					I_{DRM}			V_{TM}	V_{GT}	I_H	I_{GTM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt(c)	dv/dt		t_{gt}	I^2t	di/dt
(4)		Isolated			Non-isolated					(1)	(3) (7) (15)					(1) (16)			(1) (5)	(2) (6) (15) (18) (19)	(1) (8) (12)	(14)	(14)		(9) (13)	(1) (4) (13)	(1)		(10)		
	TO-92	TO-3 Fastpak	TO-220	Compak	TO-202	TO-220	TO-252 D-Pak	TO-251 V-Pak	TO-263 D^2Pak	Volts	mAmps					mAmps			Volts	Volts	mAmps	Amps	Watts	Watts	Amps	Volts/µSec	Volts/µSec		µSec	Amp^2Sec	Amps/µSec
											GI	GII	GIII	GIV	GV	T_C= 25 °C	T_C= 100 °C	T_C= 125 °C	T_C= 25 °C	T_C= 25 °C				60/50 Hz		T_C= 100 °C	T_C= 125 °C			
MAX	See "Package Dimensions" section for variations. (11)									MIN	MAX				TYP	MAX			MAX	MAX	MAX					TYP	MIN		TYP		
0.8 A	Q2X8E3			Q2X3						200	10	10	10		25	0.02	0.5	1	1.6	2	15	1	10	0.2	10/8.3	1	40	30	2.5	0.41	20
	Q4X8E3			Q4X3						400	10	10	10		25	0.02	0.5	1	1.6	2	15	1	10	0.2	10/8.3	1	35	25	2.5	0.41	20
	Q6X8E3			Q6X3						600	10	10	10		25	0.02	0.5	1	1.6	2	15	1	10	0.2	10/8.3	1	25	15	2.5	0.41	20
	Q2X8E4			Q2X4						200	25	25	25		50	0.02	0.5	1	1.6	2.5	25	1	10	0.2	10/8.3	1	50	40	3	0.41	20
	Q4X8E4			Q4X4						400	25	25	25		50	0.02	0.5	1	1.6	2.5	25	1	10	0.2	10/8.3	1	45	35	3	0.41	20
	Q6X8E4			Q6X4						600	25	25	25		50	0.02	0.5	1	1.6	2.5	25	1	10	0.2	10/8.3	1	35	25	3	0.41	20
1 A	Q201E3			Q2N3						200	10	10	10		25	0.02	0.5	1	1.6	2	15	1	10	0.2	20/16.7	1	40	30	2.5	1.6	30
	Q401E3			Q4N3						400	10	10	10		25	0.02	0.5	1	1.6	2	15	1	10	0.2	20/16.7	1	40	30	2.5	1.6	30
	Q601E3			Q6N3						600	10	10	10		25	0.02	0.5	1	1.6	2	15	1	10	0.2	20/16.7	1	30	20	2.5	1.6	30
	Q201E4			Q2N4						200	25	25	25		50	0.02	0.5	1	1.6	2.5	25	1	10	0.2	20/16.7	1	50	40	3	1.6	30
	Q401E4			Q4N4						400	25	25	25		50	0.02	0.5	1	1.6	2.5	25	1	10	0.2	20/16.7	1	50	40	3	1.6	30
	Q601E4			Q6N4						600	25	25	25		50	0.02	0.5	1	1.6	2.5	25	1	10	0.2	20/16.7	1	40	30	3	1.6	30
4 A			Q2004L3		Q2004F31		Q2004D3	Q2004V3		200	10	10	10		25	0.05	0.5	2	1.6	2	20	1.2	15	0.3	55/46	2	50	40	2.5	12.5	50
			Q4004L3		Q4004F31		Q4004D3	Q4004V3		400	10	10	10		25	0.05	0.5	2	1.6	2	20	1.2	15	0.3	55/46	2	50	40	2.5	12.5	50
			Q6004L3		Q6004F31		Q6004D3	Q6004V3		600	10	10	10		25	0.05	0.5	2	1.6	2	20	1.2	15	0.3	55/46	2	40	30	2.5	12.5	50
			Q2004L4		Q2004F41		Q2004D4	Q2004V4		200	25	25	25		50	0.05	0.5	2	1.6	2.5	30	1.2	15	0.3	55/46	2	100	75	3	12.5	50
			Q4004L4		Q4004F41		Q4004D4	Q4004V4		400	25	25	25		50	0.05	0.5	2	1.6	2.5	30	1.2	15	0.3	55/46	2	100	75	3	12.5	50
			Q6004L4		Q6004F41		Q6004D4	Q6004V4		600	25	25	25		50	0.05	0.5	2	1.6	2.5	30	1.2	15	0.3	55/46	2	75	50	3	12.5	50
			Q8004L4				Q8004D4	Q8004V4		800	25	25	25		50	0.05	0.5	2	1.6	2.5	30	1.2	15	0.3	55/46	2	60	40	3	12.5	50
			QK004L4				QK004D4	QK004V4		1000	25	25	25		50	0.05	3		1.6	2.5	30	1.2	15	0.3	55/46	2	50		3	12.5	50
6 A			Q2006L4		Q2006F41	Q2006R4			Q2006N4	200	25	25	25		50	0.05	0.5	2	1.6	2.5	50	1.6	18	0.5	80/65	4	200	120	3	26.5	70
			Q4006L4		Q4006F41	Q4006R4			Q4006N4	400	25	25	25		50	0.05	0.5	2	1.6	2.5	50	1.6	18	0.5	80/65	4	200	120	3	26.5	70
			Q6006L5		Q6006F51	Q6006R5			Q6006N5	600	50	50	50		75	0.05	0.5	2	1.6	2.5	50	1.6	18	0.5	80/65	4	150	100	3	26.5	70
			Q8006L5			Q8006R5			Q8006N5	800	50	50	50		75	0.05	0.5	2	1.6	2.5	50	1.6	18	0.5	80/65	4	125	85	3	26.5	70
			QK006L5			QK006R5			QK006N5	1000	50	50	50		75	0.05	3		1.6	2.5	50	1.6	18	0.5	80/65	4	100		3	26.5	70
8 A			Q2008L4		Q2008F41	Q2008R4			Q2008N4	200	25	25	25		50	0.05	0.5	2	1.6	2.5	50	1.8	20	0.5	100/83	4	250	150	3	41	70
			Q4008L4		Q4008F41	Q4008R4			Q4008N4	400	25	25	25		50	0.05	0.5	2	1.6	2.5	50	1.8	20	0.5	100/83	4	250	150	3	41	70
			Q6008L5		Q6008F51	Q6008R5			Q6008N5	600	50	50	50		75	0.05	0.5	2	1.6	2.5	50	1.8	20	0.5	100/83	4	220	125	3	41	70
			Q8008L5			Q8008R5			Q8008N5	800	50	50	50		75	0.05	0.5	2	1.6	2.5	50	1.8	20	0.5	100/83	4	150	100	3	41	70
			QK008L5			QK008R5			QK008N5	1000	50	50	50		75	0.05	3		1.6	2.5	50	1.8	20	0.5	100/83	4	100		3	41	70
10 A			Q2010L4			Q2010R4			Q2010N4	200	25	25	25	50		0.05	1		1.6	2.5	35	1.8	20	0.5	120/100	2	150		3	60	70
			Q4010L4			Q4010R4			Q4010N4	400	25	25	25	50		0.05	1		1.6	2.5	35	1.8	20	0.5	120/100	2	150		3	60	70
			Q6010L4			Q6010R4			Q6010N4	600	25	25	25	50		0.05	1		1.6	2.5	35	1.8	20	0.5	120/100	2	100		3	60	70
			Q8010L4			Q8010R4			Q8010N4	800	25	25	25	50		0.1	1		1.6	2.5	35	1.8	20	0.5	120/100	2	75		3	60	70
			QK010L4			QK010R4			QK010N4	1000	25	25	25	50		0.1	3		1.6	2.5	35	1.8	20	0.5	120/100	2	50		3	60	70
			Q2010L5		Q2010F51	Q2010R5			Q2010N5	200	50	50	50		75	0.05	0.5	2	1.6	2.5	50	1.8	20	0.5	120/100	4	350	225	3	60	70
			Q4010L5		Q4010F51	Q4010R5			Q4010N5	400	50	50	50		75	0.05	0.5	2	1.6	2.5	50	1.8	20	0.5	120/100	4	350	225	3	60	70
			Q6010L5		Q6010F51	Q6010R5			Q6010N5	600	50	50	50		75	0.05	0.5	2	1.6	2.5	50	1.8	20	0.5	120/100	4	300	200	3	60	70
			Q8010L5			Q8010R5			Q8010N5	800	50	50	50		75	0.1	0.5	2	1.6	2.5	50	1.8	20	0.5	120/100	4	250	175	3	60	70
			QK010L5			QK010R5			QK010N5	1000	50	50	50		75	0.1	3		1.6	2.5	50	1.8	20	0.5	120/100	4	150		3	60	70
15 A			Q2015L5			Q2015R5			Q2015N5	200	50	50	50			0.05	0.5	2	1.6	2.5	70	2	20	0.5	200/167	4	400	275	4	166	100
			Q4015L5			Q4015R5			Q4015N5	400	50	50	50			0.05	0.5	2	1.6	2.5	70	2	20	0.5	200/167	4	400	275	4	166	100
			Q6015L5			Q6015R5			Q6015N5	600	50	50	50			0.05	0.5	2	1.6	2.5	70	2	20	0.5	200/167	4	350	225	4	166	100
			Q8015L5			Q8015R5			Q8015N5	800	50	50	50			0.1	1	3	1.6	2.5	70	2	20	0.5	200/167	4	300	200	4	166	100
			QK015L5			QK015R5			QK015N5	1000	50	50	50			0.1	3		1.6	2.5	70	2	20	0.5	200/167	4	200		4	166	100
25 A						Q2025R5			Q2025N5	200	50	50	50			0.1	1	3	1.8	2.5	100	2	20	0.5	200/167	5	400	275	4	166	100
						Q4025R5			Q4025N5	400	50	50	50			0.1	1	3	1.8	2.5	100	2	20	0.5	200/167	5	400	275	4	166	100
						Q6025R5			Q6025N5	600	50	50	50			0.1	1	3	1.8	2.5	100	2	20	0.5	200/167	5	350	225	4	166	100
						Q8025R5			Q8025N5	800	50	50	50			0.1	1	3	1.8	2.5	100	2	20	0.5	200/167	5	300	200	4	166	100
						QK025R5			QK025N5	1000	50	50	50			0.1	3		1.8	2.5	100	2	20	0.5	200/167	5	200		4	166	100
		Q6025P5								600	50	50	50		120	0.1		5	1.4	2.75	50	2	20	0.5	250/220	5	550	475	3	260	100
		Q8025P5								800	50	50	50		120	0.1		5	1.4	2.75	50	2	20	0.5	250/220	5	450	400	3	260	100
35 A		Q6035P5								600	50	50	50		120	0.1		5	1.5	2.75	50	2	20	0.5	350/300	5	550	475	3	508	100
		Q8035P5								800	50	50	50		120	0.1		5	1.5	2.75	50	2	20	0.5	350/300	5	450	400	3	508	100

Alternistor Triacs (6A to 40A) RoHS

$I_{T(RMS)}$	Part Number					V_{DRM}	I_{GT}			I_{DRM}			V_{GT}	V_{TM}	I_H	I_{GTM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt(c)	dv/dt		t_{gt}	I^2t	di/dt
	Isolated	Non-isolated																						
(4)(16)						(1)	(3) (7) (15) (17)			(1) (18)			(2) (6) (15) (17) (20)	(1) (5)	(1) (8) (12)	(14)	(14)		(9) (13)	(1) (4) (13)	(1)		(10)		(19)
	T0-220	TO-220	TO-251 V-Pak	TO-252 D-Pak	TO-263 D²Pak	Volts	mAmps			mAmps			Volts	Volts	mAmps	Amps	Watts	Watts	Amps 60/50 Hz	Volts/µSec	Volts/µSec		µSec	Amps²Sec	Amps/µSec
							GI	GII	GIII	T_C = 25 °C	T_C = 100 °C	T_C = 125 °C	T_C = 25 °C								T_C = 100 °C	T_C = 125 °C			
MAX	See "Package Dimensions" section for variations. (11)					MIN	MAX			MAX			MAX	MAX	MAX					MIN	MIN		TYP		
6 A			Q2006VH3	Q2006DH3		200	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	65/55	20	100	75	4	17.5	70
			Q4006VH3	Q4006DH3		400	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	65/55	20	100	75	4	17.5	70
			Q6006VH3	Q6006DH3		600	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	65/55	20	75	50	4	17.5	70
			Q8006VH3	Q8006DH3		800	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	65/55	20	50	40	4	17.5	70
			QK006VH3	QK006DH3		1000	10	10	10	0.02	2		1.3	1.6	15	1.6	18	0.4	65/55	20	40		4	17.5	70
			Q2006VH4	Q2006DH4		200	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	65/55	25	500	400	4	17.5	70
			Q4006VH4	Q4006DH4		400	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	65/55	25	500	400	4	17.5	70
			Q6006VH4	Q6006DH4		600	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	65/55	25	400	300	4	17.5	70
			Q8006VH4	Q8006DH4		800	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	65/55	25	300	200	4	17.5	70
			QK006VH4	QK006DH4		1000	35	35	35	0.02	2		1.3	1.6	35	1.6	18	0.5	65/55	25	150		4	17.5	70
	Q2006LH4	Q2006RH4			Q2006NH4	200	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	750	600	4	30	70
	Q4006LH4	Q4006RH4			Q4006NH4	400	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	575	450	4	30	70
	Q6006LH4	Q6006RH4			Q6006NH4	600	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	425	350	4	30	70
	Q8006LH4	Q8006RH4			Q8006NH4	800	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	300	250	4	30	70
	QK006LH4	QK006RH4			QK006NH4	1000	35	35	35	0.02	3		1.3	1.6	35	1.6	18	0.5	85/80	25	150		4	30	70
8 A			Q2008VH3	Q2008DH3		200	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	85/80	20	100	75	4	30	70
			Q4008VH3	Q4008DH3		400	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	85/80	20	100	75	4	30	70
			Q6008VH3	Q6008DH3		600	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	85/80	20	75	50	4	30	70
			Q8008VH3	Q8008DH3		800	10	10	10	0.01	0.5	2	1.3	1.6	15	1.6	18	0.4	85/80	20	50	40	4	30	70
			QK008VH3	QK008DH3		1000	10	10	10	0.02	2		1.3	1.6	15	1.6	18	0.4	85/80	20	40		4	30	70
			Q2008VH4	Q2008DH4		200	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	750	400	4	30	70
			Q4008VH4	Q4008DH4		400	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	575	450	4	30	70
			Q6008VH4	Q6008DH4		600	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	425	350	4	30	70
			Q8008VH4	Q8008DH4		800	35	35	35	0.01	0.5	2	1.3	1.6	35	1.6	18	0.5	85/80	25	300	250	4	30	70
			QK008VH4	QK008DH4		1000	35	35	35	0.02	2		1.3	1.6	35	1.6	18	0.5	85/80	25	150		4	30	70
	Q2008LH4	Q2008RH4			Q2008NH4	200	35	35	35	0.01	0.5	2	1.3	1.6	35	2	20	0.5	100/83	25	500	400	4	41	70
	Q4008LH4	Q4008RH4			Q4008NH4	400	35	35	35	0.01	0.5	2	1.3	1.6	35	2	20	0.5	100/83	25	500	400	4	41	70
	Q6008LH4	Q6008RH4			Q6008NH4	600	35	35	35	0.01	0.5	2	1.3	1.6	35	2	20	0.5	100/83	25	400	300	4	41	70
	Q8008LH4	Q8008RH4			Q8008NH4	800	35	35	35	0.01	0.5	2	1.3	1.6	35	2	20	0.5	100/83	25	300	200	4	41	70
	QK008LH4	QK008RH4			QK008NH4	1000	35	35	35	0.02	3		1.3	1.6	35	2	20	0.5	100/83	25	150		4	41	70
10 A	Q2010LH5	Q2010RH5			Q2010NH5	200	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	1150	1000	4	60	70
	Q4010LH5	Q4010RH5			Q4010NH5	400	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	1000	750	4	60	70
	Q6010LH5	Q6010RH5			Q6010NH5	600	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	850	650	4	60	70
	Q8010LH5	Q8010RH5			Q8010NH5	800	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	650	500	4	60	70
	QK010LH5	QK010RH5			QK010NH5	1000	50	50	50	0.02	3		1.3	1.6	50	2	20	0.5	120/110	30	300		4	60	70
12 A	Q2012LH5	Q2012RH5			Q2012NH5	200	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	1150	1000	4	60	70
	Q4012LH5	Q4012RH5			Q4012NH5	400	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	1000	750	4	60	70
	Q6012LH5	Q6012RH5			Q6012NH5	600	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	850	650	4	60	70
	Q8012LH5	Q8012RH5			Q8012NH5	800	50	50	50	0.01	0.5	2	1.3	1.6	50	2	20	0.5	120/110	30	650	500	4	60	70
	QK012LH5	QK012RH5			QK012NH5	1000	50	50	50	0.02	3		1.3	1.6	50	2	20	0.5	120/110	30	300		4	60	70

Alternistor Triacs (6A to 40A) RoHS

$I_{T(RMS)}$	Part Number					V_{DRM}	I_{GT}			I_{DRM}			V_{GT}	V_{TM}	I_H	I_{GTM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt(c)	dv/dt		t_{gt}	I^2t	di/dt
	Isolated			Non-isolated																				
(4)(16)						(1)	(3) (7) (15) (17)			(1) (18)			(2) (6) (15) (17) (20)	(1) (5)	(1) (8) (12)	(14)	(14)		(9) (13)	(1) (4) (13)	(1)		(10)		(19)
	T0-220	TO-218 (16)	TO-218X	TO-220	TO-263 D^2Pak		mAmps			mAmps			Volts	Volts					Amps		Volts/µSec				
						Volts	QI	QII	QIII	T_C = 25 °C	T_C = 100 °C	T_C = 125 °C	T_C = 25 °C	T_C = 25 °C	mAmps	Amps	Watts	Watts	60/50 Hz	Volts/µSec	T_C = 100 °C	T_C = 125 °C	µSec	$Amps^2Sec$	Amps/µSec
MAX	See "Package Dimensions" section for variations. (11)						MAX			MAX			MAX	MAX	MAX					MIN	MIN		TYP		
16 A	Q2016LH3			Q2016RH3	Q2016NH3	200	20	20	20	0.05	0.5	2	1.5	1.6	35	2	20	0.5	200/167	20	500	400	3	166	100
	Q4016LH3			Q4016RH3	Q4016NH3	400	20	20	20	0.05	0.5	2	1.5	1.6	35	2	20	0.5	200/167	20	400	350	3	166	100
	Q6016LH3			Q6016RH3	Q6016NH3	600	20	20	20	0.05	0.5	2	1.5	1.6	35	2	20	0.5	200/167	20	300	250	3	166	100
	Q8016LH3			Q8016RH3	Q8016NH3	800	20	20	20	0.1	1	3	1.5	1.6	35	2	20	0.5	200/167	20	275	200	3	166	100
	QK016LH3			QK016RH3	QK016NH3	1000	20	20	20	0.1	3		1.5	1.6	35	2	20	0.5	200/167	20	200		3	166	100
	Q2016LH4			Q2016RH4	Q2016NH4	200	35	35	35	0.05	0.5	2	2	1.6	50	2	20	0.5	200/167	25	650	500	3	166	100
	Q4016LH4			Q4016RH4	Q4016NH4	400	35	35	35	0.05	0.5	2	2	1.6	50	2	20	0.5	200/167	25	600	475	3	166	100
	Q6016LH4			Q6016RH4	Q6016NH4	600	35	35	35	0.05	0.5	2	2	1.6	50	2	20	0.5	200/167	25	500	400	3	166	100
	Q8016LH4			Q8016RH4	Q8016NH4	800	35	35	35	0.1	1	3	2	1.6	50	2	20	0.5	200/167	25	425	350	3	166	100
	QK016LH4			QK016RH4	QK016NH4	1000	35	35	35	0.1	3		2	1.6	50	2	20	0.5	200/167	25	300		3	166	100
	Q2016LH6			Q2016RH6	Q2016NH6	200	80	80	80	0.05	0.5	2	2.5	1.6	70	2	20	0.5	200/167	30	875	600	5	166	100
	Q4016LH6			Q4016RH6	Q4016NH6	400	80	80	80	0.05	0.5	2	2.5	1.6	70	2	20	0.5	200/167	30	875	600	5	166	100
	Q6016LH6			Q6016RH6	Q6016NH6	600	80	80	80	0.05	0.5	2	2.5	1.6	70	2	20	0.5	200/167	30	800	520	5	166	100
	Q8016LH6			Q8016RH6	Q8016NH6	800	80	80	80	0.1	1	3	2.5	1.6	70	2	20	0.5	200/167	30	700	475	5	166	100
	QK016LH6			QK016RH6	QK016NH6	1000	80	80	80	0.1	3		2.5	1.6	70	2	20	0.5	200/167	30	350		5	166	100
25 A	Q2025L6	Q2025K6	Q2025J6	Q2025R6	Q2025NH6	200	80	80	80	0.05	0.5	2	2.5	1.8	100	2	20	0.5	250/208	30	875	600	5	259	100
	Q4025L6	Q4025K6	Q4025J6	Q4025R6	Q4025NH6	400	80	80	80	0.05	0.5	2	2.5	1.8	100	2	20	0.5	250/208	30	875	600	5	259	100
	Q6025L6	Q6025K6	Q6025J6	Q6025R6	Q6025NH6	600	80	80	80	0.05	0.5	2	2.5	1.8	100	2	20	0.5	250/208	30	800	520	5	259	100
	Q8025L6	Q8025K6	Q8025J6	Q8025R6	Q8025NH6	800	80	80	80	0.1	1	3	2.5	1.8	100	2	20	0.5	250/208	30	700	475	5	259	100
	QK025L6	QK025K6		QK025R6	QK025NH6	1000	80	80	80	0.1	3		2.5	1.8	100	2	20	0.5	250/208	30	400		5	259	100
30 A	Q2030LH5					200	50	50	50	0.05	0.5	2	2	1.4	75	2	20	0.5	350/290	20	650	500	3	508	100
	Q4030LH5					400	50	50	50	0.05	0.5	2	2	1.4	75	2	20	0.5	350/290	20	600	475	3	508	100
	Q6030LH5					600	50	50	50	0.05	0.5	2	2	1.4	75	2	20	0.5	350/290	20	500	400	3	508	100
35 A				Q2035RH5	Q2035NH5	200	50	50	50	0.05	0.5	2	2	1.5	75	2	20	0.5	350/290	20	650	500	3	508	100
				Q4035RH5	Q4035NH5	400	50	50	50	0.05	0.5	2	2	1.5	75	2	20	0.5	350/290	20	600	475	3	508	100
				Q6035RH5	Q6035NH5	600	50	50	50	0.05	0.5	2	2	1.5	75	2	20	0.5	350/290	20	500	400	3	508	100
40 A		Q2040K7	Q2040J7			200	100	100	100	0.2	2	5	2.5	1.8	120	4	40	0.8	400/335	50	1100	700	5	664	150
		Q4040K7	Q4040J7			400	100	100	100	0.2	2	5	2.5	1.8	120	4	40	0.8	400/335	50	1100	700	5	664	150
		Q6040K7	Q6040J7			600	100	100	100	0.2	2	5	2.5	1.8	120	4	40	0.8	400/335	50	1000	625	5	664	150
		Q8040K7	Q8040J7			800	100	100	100	0.2	2	5	2.5	1.8	120	4	40	0.8	400/335	50	900	575	5	664	150
		QK040K7				1000	100	100	100	0.2	5		2.5	1.8	120	4	40	0.8	400/335	50	500		5	664	150

Test Conditions

di/dt — Maximum rate-of-change of on-state current

dv/dt — Critical rate-of-rise of off-state voltage at rated V_{DRM} gate open

dv/dt(c) — Critical rate-of-rise of commutation voltage at rated V_{DRM} and $I_{T(RMS)}$ commutating di/dt = 0.54 rated $I_{T(RMS)}$/ms; gate unenergized

I^2t — RMS surge (non-repetitive) on-state current for period of 8.3 ms for fusing

I_{DRM} — Peak off-state current gate open; V_{DRM} = maximum rated value

I_{GT} — DC gate trigger current in specific operating quadrants; V_D = 12 V dc

I_{GTM} — Peak gate trigger current

I_H — Holding current (DC); gate open

$I_{T(RMS)}$ — RMS on-state current conduction angle of 360°

I_{TSM} — Peak one-cycle surge

$P_{G(AV)}$ — Average gate power dissipation

P_{GM} — Peak gate power dissipation; I_{GT} I_{GTM}

t_{gt} — Gate controlled turn-on time; I_{GT} = 300 mA with 0.1 µs rise time

V_{DRM} — Repetitive peak blocking voltage

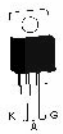
V_{GT} — DC gate trigger voltage; V_D = 12 V dc

V_{TM} — Peak on-state voltage at maximum rated RMS current

Sensitive SCRs (0.8A to 10A) RoHS

TYPE	Part Number					I_T		V_{DRM} & V_{RRM}	I_{GT}	I_{DRM} & I_{RRM}			V_{TM}	V_{GT}			I_H	I_{GM}	V_{GRM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt		di/dt	t_{gt}	t_q	I^2t
	Non-isolated					(1)			(2) (12) (14) (18)	(20) (21)			(3) (10)	(4) (12) (22)			(5) (15) (16) (19)	(17)		(17)		(6) (7) (13)				(8)	(9)	
	TO-92	TO-202	TO-251 V-Pak	Compak	TO-252 D-Pak	Amps				µAmps				Volts								Amps					
	See "Package Dimensions" section for variations. (11)					$I_{T(RMS)}$	$I_{T(AV)}$	Volts	µAmps	T_C or T_L = 25 °C	T_C or T_L = 100 °C	T_C or T_L = 110 °C	Volts	T_C or T_L = -40 °C	T_C or T_L = 25 °C	T_C or T_L = 110 °C	mAmps	Amps	Volts	Watts	Watts	60/50 Hz	Volts/µSec		Amps/µSec	µSec	µSec	Amps²/Sec
						MAX		MIN	MAX	MAX			MAX	MAX			MAX		MIN				MIN	TYP (23)		TYP	MAX	
0.8 A				S2S1		0.8	0.51	200	12	2		100	1.7	1.2	0.8	0.2	5	1	5	1	0.1	20/16	20		50	2	60	1.6
				S4S1		0.8	0.51	400	12	2		100	1.7	1.2	0.8	0.2	5	1	5	1	0.1	20/16	20		50	2	60	1.6
				S6S1		0.8	0.51	600	12	2		100	1.7	1.2	0.8	0.2	5	1	5	1	0.1	20/16	10		50	2	60	1.6
				S2S2		0.8	0.51	200	50	2		100	1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	25		50	3	60	1.6
				S4S2		0.8	0.51	400	50	2		100	1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	25		50	3	60	1.6
				S6S2		0.8	0.51	600	50	2		100	1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	10		50	3	60	1.6
				S2S		0.8	0.51	200	200	2		100	1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	30		50	4	50	1.6
				S4S		0.8	0.51	400	200	2		100	1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	30		50	4	50	1.6
				S6S		0.8	0.51	600	200	2		100	1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	15		50	4	50	1.6
				S2S3		0.8	0.51	200	500	2		100	1.7	1.2	0.8	0.25	8	1	5	1	0.1	20/16	40		50	5	45	1.6
				S4S3		0.8	0.51	400	500	2		100	1.7	1.2	0.8	0.25	8	1	5	1	0.1	20/16	40		50	5	45	1.6
				S6S3		0.8	0.51	600	500	2		100	1.7	1.2	0.8	0.25	8	1	5	1	0.1	20/16	20		50	5	45	1.6
	EC103B					0.8	0.51	200	200	1	50		1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	30		50	3.5	50	1.6
	EC103D					0.8	0.51	400	200	1	50		1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	30		50	3.5	50	1.6
	EC103M					0.8	0.51	600	200	2	100		1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	15		50	3.5	50	1.6
	EC103B1					0.8	0.51	200	12	1	50		1.7	1.2	0.8	0.2	5	1	5	1	0.1	20/16	20		50	2	60	1.6
	EC103D1					0.8	0.51	400	12	1	50		1.7	1.2	0.8	0.2	5	1	5	1	0.1	20/16	20		50	2	60	1.6
	EC103M1					0.8	0.51	600	12	2	100		1.7	1.2	0.8	0.2	5	1	5	1	0.1	20/16	10		50	2	60	1.6
	EC103B2					0.8	0.51	200	50	1	50		1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	25		50	3	60	1.6
	EC103D2					0.8	0.51	400	50	1	50		1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	25		50	3	60	1.6
	EC103M2					0.8	0.51	600	50	2	100		1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	10		50	3	60	1.6
	EC103B3					0.8	0.51	200	500	1	50		1.7	1.2	0.8	0.25	8	1	5	1	0.1	20/16	40		50	5	45	1.6
	EC103D3					0.8	0.51	400	500	1	50		1.7	1.2	0.8	0.25	8	1	5	1	0.1	20/16	40		50	5	45	1.6
	EC103M3					0.8	0.51	600	500	2	100		1.7	1.2	0.8	0.25	8	1	5	1	0.1	20/16	20		50	5	45	1.6
	2N5064					0.8	0.51	200	200	1		50	1.7	1.2	0.8	0.25	5	1	5	1	0.1	20/16	25		50	2.2	60	1.6
	2N6565					0.8	0.51	400	200	1		100	1.7	1.2	0.8	0.25	5	1	6	1	0.1	20/16	25		50	2.2	60	1.6
1.5 A	TCR22-4					1.5	0.95	200	200	1		100	1.5	1	0.8	0.25	5	1	6	1	0.1	20/16	60		50	3.5	50	1.6
	TCR22-6					1.5	0.95	400	200	1		100	1.5	1	0.8	0.25	5	1	6	1	0.1	20/16	40		50	3.5	50	1.6
	TCR22-8					1.5	0.95	600	200	2		100	1.5	1	0.8	0.25	5	1	6	1	0.1	20/16	30		50	3.5	50	1.6
4 A		T106B1				4	2.5	200	200	2		100	2.2	1	0.8	0.2	5	1	6	1	0.1	20/16		8	50	4	50	1.6
		T106D1				4	2.5	400	200	2		100	2.2	1	0.8	0.2	5	1	6	1	0.1	20/16		8	50	4	50	1.6
		T106M1				4	2.5	600	200	2		100	2.2	1	0.8	0.2	5	1	6	1	0.1	20/16		8	50	4	50	1.6
		T107B1				4	2.5	200	500	2		100	2.5	1	0.8	0.2	6	1	6	1	0.1	20/16		8	50	5	45	1.6
		T107D1				4	2.5	400	500	2		100	2.5	1	0.8	0.2	6	1	6	1	0.1	20/16		8	50	5	45	1.6
		T107M1				4	2.5	600	500	2		100	2.5	1	0.8	0.2	6	1	6	1	0.1	20/16		8	50	5	45	1.6
			S2004VS1		S2004DS1	4	2.5	200	50	2		100	1.6	1	0.8	0.2	4	1	6	1	0.1	30/25		8	50	3	50	3.7
			S4004VS1		S4004DS1	4	2.5	400	50	2		100	1.6	1	0.8	0.2	4	1	6	1	0.1	30/25		8	50	3	50	3.7
			S6004VS1		S6004DS1	4	2.5	600	50	2		100	1.6	1	0.8	0.2	4	1	6	1	0.1	30/25		8	50	3	50	3.7
			S2004VS2		S2004DS2	4	2.5	200	200	2		100	1.6	1	0.8	0.2	6	1	6	1	0.1	30/25		8	50	4	50	3.7
			S4004VS2		S4004DS2	4	2.5	400	200	2		100	1.6	1	0.8	0.2	6	1	6	1	0.1	30/25		8	50	4	50	3.7
			S6004VS2		S6004DS2	4	2.5	600	200	2		100	1.6	1	0.8	0.2	6	1	6	1	0.1	30/25		8	50	4	50	3.7

Sensitive SCRs (0.8A to 10A) RoHS

TYPE	Part Number				I_T		V_{DRM} & V_{RRM}	I_{GT}	I_{DRM} & I_{RRM}		V_{TM}	V_{GT}			I_H	I_{GM}	V_{GRM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt	di/dt	t_{gt}	t_q	I^2t
	Isolated	Non-isolated			(1)			(2) (12)	(20) (21)		(3) (10)	(4) (12) (22)			(5) (19)	(17)		(17)		(6) (13)			(8)	(9)	
	 TO-220	 TO-202	 TO-251 V-Pak	 TO-252 D-Pak	Amps				µAmps			Volts									Volts/µSec				
	See "Package Dimensions" section for variations. (11)				$I_{T(RMS)}$	$I_{T(AV)}$	Volts	µAmps	T_C = 25 °C	T_C = 110 °C	Volts	T_C = -40 °C	T_C = 25 °C	T_C = 110 °C	mAmps	Amps	Volts	Watts	Watts	Amps	T_C = 110 °C	Amps/µSec	µSec	µSec	$Amps^2Sec$
					MAX	MAX	MIN	MAX	MAX	MAX	MAX	MAX			MAX		MIN			60/50 Hz	TYP		TYP	MAX	
6 A	S2006LS2	S2006FS21	S2006VS2	S2006DS2	6	3.8	200	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	10	100	4	50	41
	S4006LS2	S4006FS21	S4006VS2	S4006DS2	6	3.8	400	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	8	100	4	50	41
	S6006LS2	S6006FS21	S6006VS2	S6006DS2	6	3.8	600	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	8	100	4	50	41
	S2006LS3	S2006FS31	S2006VS3	S2006DS3	6	3.8	200	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	10	100	5	45	41
	S4006LS3	S4006FS31	S4006VS3	S4006DS3	6	3.8	400	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	8	100	5	45	41
	S6006LS3	S6006FS31	S6006VS3	S6006DS3	6	3.8	600	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	8	100	5	45	41
8 A	S2008LS2	S2008FS21	S2008VS2	S2008DS2	8	5.1	200	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	10	100	4	50	41
	S4008LS2	S4008FS21	S4008VS2	S4008DS2	8	5.1	400	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	8	100	4	50	41
	S6008LS2	S6008FS21	S6008VS2	S6008DS2	8	5.1	600	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	8	100	4	50	41
	S2008LS3	S2008FS31	S2008VS3	S2008DS3	8	5.1	200	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	10	100	5	45	41
	S4008LS3	S4008FS31	S4008VS3	S4008DS3	8	5.1	400	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	8	100	5	45	41
	S6008LS3	S6008FS31	S6008VS3	S6008DS3	8	5.1	600	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	8	100	5	45	41
10 A	S2010LS2	S2010FS21	S2010VS2	S2010DS2	10	6.4	200	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	10	100	4	50	41
	S4010LS2	S4010FS21	S4010VS2	S4010DS2	10	6.4	400	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	8	100	4	50	41
	S6010LS2	S6010FS21	S6010VS2	S6010DS2	10	6.4	600	200	5	250	1.6	1	0.8	0.25	6	1	6	1	0.1	100/83	8	100	4	50	41
	S2010LS3	S2010FS31	S2010VS3	S2010DS3	10	6.4	200	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	10	100	5	45	41
	S4010LS3	S4010FS31	S4010VS3	S4010DS3	10	6.4	400	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	8	100	5	45	41
	S6010LS3	S6010FS31	S6010VS3	S6010DS3	10	6.4	600	500	5	250	1.6	1	0.8	0.25	8	1	6	1	0.1	100/83	8	100	5	45	41

Specific Test Conditions

di/dt — Maximum rate-of-change of on-state current; I_{GT} = 50mA pulse width 15 µsec with 0.1 µs rise time

dv/dt — Critical rate-of-rise of forward off-state voltage

I^2t — RMS surge (non-repetitive) on-state current for period of 8.3 ms for fusing

I_{DRM} and **I_{RRM}** — Peak off-state current at V_{DRM} and V_{RRM}

I_{GT} — DC gate trigger current V_D = 6 V dc; R_L = 100

I_{GM} — Peak gate current

I_H — DC holding current; initial on-state current = 20 mA

I_T — Maximum on-state current

I_{TSM} — Peak one-cycle forward surge current

$P_{G(AV)}$ — Average gate power dissipation

P_{GM} — Peak gate power dissipation

t_{gt} — Gate controlled turn-on time gate pulse = 10 mA; minimum width = 15 µS with rise time 0.1 µs

t_q — Circuit commutated turn-off time

V_{DRM} and **V_{RRM}** — Repetitive peak off-state forward and reverse voltage

V_{GRM} — Peak reverse gate voltage

V_{GT} — DC gate trigger voltage; V_D = 6 V dc; R_L = 100

V_{TM} — Peak on-state voltage

General Notes

- Teccor 2N5064 and 2N6565 Series devices conform to all JEDEC registered data. See specifications table on pages E5 - 2 and E5 - 3.
- The case lead temperature (T_C or T_L) is measured as shown on dimensional outline drawings in the "Package Dimensions" section of this catalog.
- All measurements (except I_{GT}) are made with an external resistor R_{GK} = 1 k unless otherwise noted.
- All measurements are made at 60 Hz with a resistive load at an ambient temperature of +25 °C unless otherwise specified.
- Operating temperature (T_J) is -65 °C to +110 °C for EC Series devices, -65 °C to +125 °C for 2N Series devices, -40 °C to +125 °C for "TCR" Series, and -40 °C to +110 °C for all others.
- Storage temperature range (T_S) is -65 °C to +150 °C for TO-92 devices, -40 °C to +150 °C for TO-202 and Compak devices, and -40 °C to +125 °C for all others.
- Lead solder temperature is a maximum of +230 °C for 10 seconds maximum 1/16" (1.59 mm) from case.

SCRs (1A to 70A) RoHS

TYPE	Part Number							I_T		V_{DRM} & V_{RRM}	I_{GT}		I_{DRM} & I_{RRM}			V_{TM}	V_{GT}	I_H	I_{GM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt		I^2t	di/dt	t_{gt}	t_q
		Isolated	Non-isolated					(1) (2) (15)			(4)		(14)			(3)	(8) (17)	(5) (13)	(12)	(12)		(6) (10)					(7)	(9) (10)
	TO-92	TO-220	TO-202	TO-220	TO-251 V-Pak	Compak	TO-252 D-Pak	Amps		Volts	mAmps		mAmps			Volts	Volts	mAmps	Amps	Watts	Watts	Amps	Volts/µSec					
	See "Package Dimensions" section for variations. (11)							$I_{T(RMS)}$	$I_{T(AV)}$				T_C = 25 °C	T_C = 100 °C	T_C = 125 °C	T_C = 25 °C	T_C = 25 °C					60/50 Hz	T_C = 100 °C	T_C = 125 °C	$Amps^2Sec$	Amps/µSec	µSec	µSec
								MAX	MAX	MIN	MIN	MAX	MAX			MAX	MAX	MAX					MIN	MIN			TYP	MAX
1 A	S201E					S2N1		1	0.64	200	1	10	0.01	0.2	0.5	1.6	1.5	30	1.5	15	0.3	30/25	40	20	3.7	50	2	35
	S401E					S4N1		1	0.64	400	1	10	0.01	0.2	0.5	1.6	1.5	30	1.5	15	0.3	30/25	40	20	3.7	50	2	35
	S601E					S6N1		1	0.64	600	1	10	0.01	0.2	0.5	1.6	1.5	30	1.5	15	0.3	30/25	40	20	3.7	50	2	35
6 A		S2006L	S2006F1		S2006V		S2006D	6	3.8	200	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	350	250	41	100	2	35
		S4006L	S4006F1		S4006V		S4006D	6	3.8	400	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	350	250	41	100	2	35
		S6006L	S6006F1		S6006V		S6006D	6	3.8	600	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	300	225	41	100	2	35
		S8006L			S8006V		S8006D	6	3.8	800	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	250	200	41	100	2	35
		SK006L			SK006V		SK006D	6	3.8	1000	1	15	0.02	3		1.6	1.5	30	2	20	0.5	100/83	100		41	100	2	35
8 A		S2008L	S2008F1	S2008R	S2008V		S2008D	8	5.1	200	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	350	250	41	100	2	35
		S4008L	S4008F1	S4008R	S4008V		S4008D	8	5.1	400	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	350	250	41	100	2	35
		S6008L	S6008F1	S6008R	S6008V		S6008D	8	5.1	600	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	300	225	41	100	2	35
		S8008L		S8008R	S8008V		S8008D	8	5.1	800	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	250	200	41	100	2	35
		SK008L		SK008R	SK008V		SK008D	8	5.1	1000	1	15	0.02	3		1.6	1.5	30	2	20	0.5	100/83	100		41	100	2	35
10 A		S2010L	S2010F1	S2010R	S2010V		S2010D	10	6.4	200	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	350	250	41	100	2	35
		S4010L	S4010F1	S4010R	S4010V		S4010D	10	6.4	400	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	350	250	41	100	2	35
		S6010L	S6010F1	S6010R	S6010V		S6010D	10	6.4	600	1	15	0.01	0.2	0.5	1.6	1.5	30	2	20	0.5	100/83	300	225	41	100	2	35
		S8010L		S8010R	S8010V		S8010D	10	6.4	800	1	15	0.02	0.5	1	1.6	1.5	30	2	20	0.5	100/83	250	200	41	100	2	35
		SK010L		SK010R	SK010V		SK010D	10	6.4	1000	1	15	0.02	3		1.6	1.5	30	2	20	0.5	100/83	100		41	100	2	35
12 A			S2012R	S2012V			S2012D	12	7.6	200	1	20	0.01	0.5	1	1.6	1.5	40	2	20	0.5	120/100	350	250	60	100	2	35
			S4012R	S4012V			S4012D	12	7.6	400	1	20	0.01	0.5	1	1.6	1.5	40	2	20	0.5	120/100	350	250	60	100	2	35
			S6012R	S6012V			S6012D	12	7.6	600	1	20	0.01	0.5	1	1.6	1.5	40	2	20	0.5	120/100	300	225	60	100	2	35
			S8012R	S8012V			S8012D	12	7.6	800	1	20	0.02	0.5	1	1.6	1.5	40	2	20	0.5	120/100	250	200	60	100	2	35
			SK012R	SK012V			SK012D	12	7.6	1000	1	20	0.02	3		1.6	1.5	40	2	20	0.5	120/100	100		60	100	2	35

Specific Test Conditions

di/dt — Maximum rate-of-rise of on-state current; I_{GT} = 150 mA with 0.1 µs rise time

dv/dt — Critical rate of applied forward voltage

I^2t — RMS surge (non-repetitive) on-state current for period of 8.3 ms for fusing

I_{DRM} and **I_{RRM}** — Peak off-state forward and reverse current at V_{DRM} and V_{RRM}

I_{gt} — dc gate trigger current; V_D = 12V dc; R_L = 60 for 1 to 16 A devices and 30 for 20 to 70 A devices

I_{GM} — Peak gate current

I_H — dc holding current; gate open

I_T — Maximum on-state current

I_{TSM} — Peak one-cycle forward surge current

$P_{G(AV)}$ — Average gate power dissipation

P_{GM} — Peak gate power dissipation

t_{gt} — Gate controlled turn-on time; gate pulse = 100 mA; minimum width = 15 µs with rise time 0.1 µs

t_q — Circuit commutated turn-off time

V_{DRM} and **V_{RRM}** — Repetitive peak off-state forward and reverse voltage

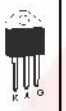
V_{gt} — DC gate trigger voltage; V_D = 12V dc; R_L = 60 for 1 to 16 A devices and 30 for 20 to 70 A devices

V_{TM} — Peak on-state voltage at maximum rated RMS current

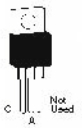
General Notes

- All measurements are made at 60 Hz with a resistive load at an ambient temperature of +25 C unless otherwise specified.
- Operating temperature range (TJ) is -65 C to +125 C for TO-92 devices and -40 C to +125 C for all other packages.
- Storage temperature range (Ts) is -65 C to +150 C for TO-92 devices, -40 C to +150 C for TO-202 and TO-220 devices, and-40 C to +125 C for all others.
- Lead solder temperature is a maximum of 230 C for 10 seconds maximum; 1/16" (1.59mm) from case.
- The case temperature (Tc) is measured as shown on dimensional outline drawings in the "Package Dimensions" sectionof this catalog.

SCRs (1A to 70A) RoHS

TYPE	Part Number							I_T		V_{DRM}& V_{RRM}	I_{GT}		I_{DRM} & I_{RRM}			V_{TM}	V_{GT}	I_H	I_{GM}	P_{GM}	$P_{G(AV)}$	I_{TSM}	dv/dt		I^2t	di/dt	t_{gt}	t_q
	Isolated			Non-isolated				(1) (15)			(4)		(14)			(3)	(8) (17)	(5) (13)	(12)	(12)		(6) (10) (16)					(7)	(9) (10)
																											
	TO-220	TO-218X	TO-218	TO-220	TO-218X	TO-218	TO-263 D^2Pak	Amps $I_{T(RMS)}$	Amps $I_{T(AV)}$	Volts	mAmps		mAmps T_C = 25 °C	mAmps T_C = 100 °C	mAmps T_C = 125 °C	Volts T_C = 25 °C	Volts T_C = 25 °C	mAmps	Amps	Watts	Watts	Amps 60/50 Hz	Volts/µSec T_C = 100 °C	Volts/µSec T_C = 125 °C	$Amps^2Sec$	Amps/µSec	µSec	µSec
	See "Package Dimensions" section for variations. (11)							MAX		MIN	MIN	MAX	MAX			MAX	MAX	MAX					MIN	MIN			TYP	MAX
15 A	S2015L							15	9.5	200	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	225/188	450	350	210	125	2	35
	S4015L							15	9.5	400	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	225/188	450	350	210	125	2	35
	S6015L							15	9.5	600	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	225/188	425	325	210	125	2	35
	S8015L							15	9.5	800	1	30	0.02	1	2	1.6	1.5	40	3	30	0.6	225/188	400	300	210	125	2	35
	SK015L							15	9.5	1000	1	30	0.02	3		1.6	1.5	40	3	30	0.6	225/188	200		210	125	2	35
16 A				S2016R			S2016N	16	10	200	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	225/188	450	350	210	125	2	35
				S4016R			S4016N	16	10	400	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	225/188	450	350	210	125	2	35
				S6016R			S6016N	16	10	600	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	225/188	425	325	210	125	2	35
				S8016R			S8016N	16	10	800	1	30	0.02	1	2	1.6	1.5	40	3	30	0.6	225/188	400	300	210	125	2	35
				SK016R			SK016N	16	10	1000	1	30	0.02	3		1.6	1.5	40	3	30	0.6	225/188	200		210	125	2	35
20 A	S2020L							20	12.8	200	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	300/255	450	350	374	125	2	35
	S4020L							20	12.8	400	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	300/255	450	350	374	125	2	35
	S6020L							20	12.8	600	1	30	0.01	0.5	1	1.6	1.5	40	3	30	0.6	300/255	425	325	374	125	2	35
	S8020L							20	12.8	800	1	30	0.02	1.0	2	1.6	1.5	40	3	30	0.6	300/255	400	300	374	125	2	35
	SK020L							20	12.8	1000	1	30	0.02	3		1.6	1.5	40	3	30	0.6	300/255	200		374	125	2	35
25 A	S2025L			S2025R			S2025N	25	16	200	1	35	0.01	1	2	1.6	1.5	50	3.5	35	0.8	350/300	450	350	510	150	2	35
	S4025L			S4025R			S4025N	25	16	400	1	35	0.01	1	2	1.6	1.5	50	3.5	35	0.8	350/300	450	350	510	150	2	35
	S6025L			S6025R			S6025N	25	16	600	1	35	0.01	1	2	1.6	1.5	50	3.5	35	0.8	350/300	425	325	510	150	2	35
	S8025L			S8025R			S8025N	25	16	800	1	35	0.02	1.5	3	1.6	1.5	50	3.5	35	0.8	350/300	400	300	510	150	2	35
	SK025L			SK025R			SK025N	25	16	1000	1	35	0.02	3		1.6	1.5	50	3.5	35	0.8	350/300	200		510	150	2	35
35 A		S2035J	S2035K					35	22	200	5	40	0.01	1	2	1.8	1.5	50	3.5	35	0.8	500/425	450	350	1035	150	2	35
		S4035J	S4035K					35	22	400	5	40	0.01	1	2	1.8	1.5	50	3.5	35	0.8	500/425	450	350	1035	150	2	35
		S6035J	S6035K					35	22	600	5	40	0.01	1	2	1.8	1.5	50	3.5	35	0.8	500/425	425	325	1035	150	2	35
		S8035J	S8035K					35	22	800	5	40	0.02	1.5	3	1.8	1.5	50	3.5	35	0.8	500/425	400	300	1035	150	2	35
			SK035K					35	22	1000	5	40	0.02	3		1.8	1.5	50	3.5	35	0.8	500/425	200		1035	150	2	35
40 A				S2040R			S2040N	40	25	200	5	40	0.01	1	2	1.8	1.5	60	3.5	35	0.8	520/430	650	550	1122	175	2.5	35
				S4040R			S4040N	40	25	400	5	40	0.01	1	2	1.8	1.5	60	3.5	35	0.8	520/430	650	550	1122	175	2.5	35
				S6040R			S6040N	40	25	600	5	40	0.01	1	2	1.8	1.5	60	3.5	35	0.8	520/430	600	500	1122	175	2.5	35
				S8040R			S8040N	40	25	800	5	40	0.02	1.5	3	1.8	1.5	60	3.5	35	0.8	520/430	500	475	1122	175	2.5	35
				SK040R			SK040N	40	25	1000	5	40	0.03	5		1.8	1.5	60	3.5	35	0.8	520/430	250		1122	175	2.5	35
55 A				S2055R	S2055V	S2055M	S2055N	55	35	200	5	40	0.01	1	2	1.8	1.5	60	4	40	0.8	650/550	650	550	1750	175	2.5	35
				S4055R	S4055V	S4055M	S4055N	55	35	400	5	40	0.01	1	2	1.8	1.5	60	4	40	0.8	650/550	650	550	1750	175	2.5	35
				S6055R	S6055V	S6055M	S6055N	55	35	600	5	40	0.01	1	2	1.8	1.5	60	4	40	0.8	650/550	600	500	1750	175	2.5	35
				S8055R	S8055V	S8055M	S8055N	55	35	800	5	40	0.02	1.5	3	1.8	1.5	60	4	40	0.8	650/550	500	475	1750	175	2.5	35
				SK055R		SK055M	SK055N	55	35	1000	5	40	0.03	5		1.8	1.5	60	4	40	0.8	650/550	250		1750	175	2.5	35
65 A		S2065J	S2065K					65	41	200	5	50	0.02	1.5	3	1.8	2	80	5	50	1	950/800	650	550	3745	200	2.5	35
		S4065J	S4065K					65	41	400	5	50	0.02	1.5	3	1.8	2	80	5	50	1	950/800	650	550	3745	200	2.5	35
		S6065J	S6065K					65	41	600	5	50	0.02	1.5	3	1.8	2	80	5	50	1	950/800	600	500	3745	200	2.5	35
		S8065J	S8065K					65	41	800	5	50	0.02	2	5	1.8	2	80	5	50	1	950/800	500	475	3745	200	2.5	35
			SK065K					65	41	1000	5	50	0.03	5		1.8	2	80	5	50	1	950/800	250		3745	200	2.5	35
70 A					S2070V			70	45	200	5	50	0.02	1.5	3	1.8	2	80	5	50	1	950/800	650	550	3745	200	2.5	35
					S4070V			70	45	400	5	50	0.02	1.5	3	1.8	2	80	5	50	1	950/800	650	550	3745	200	2.5	35
					S6070V			70	45	600	5	50	0.02	1.5	3	1.8	2	80	5	50	1	950/800	600	500	3745	200	2.5	35
					S8070V			70	45	800	5	50	0.02	2	5	1.8	2	80	5	50	1	950/800	500	475	3745	200	2.5	35

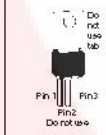
Rectifiers (15A to 25A) RoHS

Type	Part Number Isolated	V_{RRM}	V_R	$I_{F(AV)}$ (1)	$I_{F(RMS)}$	I_{FSM} (2)	I_{RM} (3)			V_{FM}	I^2t	$R_{\theta JC}$
	 TO-220	Volts	Volts	Amps	Amps	Amps 60/50 Hz	mA T_C = 25 °C	mA T_C = 100 °C	mA T_C = 125 °C	Volts T_C=25 °C	$Amps^2Sec$	°C/W
	See "Package Dimensions" section for variations. (4)	MIN	MIN	MAX	MAX		MAX			MAX		TYP
15 A	D2015L	200	200	9.5	15	225/188	0.1	0.5	1	1.6	210	2.85
	D4015L	400	400	9.5	15	225/188	0.1	0.5	1	1.6	210	2.85
	D6015L	600	600	9.5	15	225/188	0.1	0.5	1	1.6	210	2.85
	D8015L	800	800	9.5	15	225/188	0.1	0.5	1	1.6	210	2.85
	DK015L	1000	1000	9.5	15	225/188	0.1	3		1.6	210	2.85
20 A	D2020L	200	200	12.7	20	300/255	0.1	0.5	1	1.6	374	2.5
	D4020L	400	400	12.7	20	300/255	0.1	0.5	1	1.6	374	2.5
	D6020L	600	600	12.7	20	300/255	0.1	0.5	1	1.6	374	2.5
	D8020L	800	800	12.7	20	300/255	0.1	0.5	1	1.6	374	2.5
	DK020L	1000	1000	12.7	20	300/255	0.1	3		1.6	374	2.5
25 A	D2025L	200	200	15.9	25	350/300	0.1	0.5	1	1.6	508	2.7
	D4025L	400	400	15.9	25	350/300	0.1	0.5	1	1.6	508	2.7
	D6025L	600	600	15.9	25	350/300	0.1	0.5	1	1.6	508	2.7
	D8025L	800	800	15.9	25	350/300	0.1	0.5	1	1.6	508	2.7
	DK025L	1000	1000	15.9	25	350/300	0.1	3		1.6	508	2.7

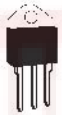
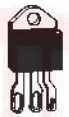
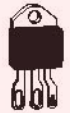
Diacs (HT and ST Series) RoHS

Electrical Characteristics T_C = 25°C							
Part No.		V_{BO} Breakover Voltage (Forward and Reverse) Volts		ΔV_{BO} Breakover Voltage Symmetry ΔV_{BO} = [| +V_{BO} | - | -V_{BO} |] Volts	V_{BB} Dynamic Breakback Voltage (3) | $\Delta V\pm$ | Volts	I_{BO} Peak Breakover Current at Breakover Voltage µAmps	I_{TRM} Peak Pulse Current for 10 µs 120 PPS $T_A \leq 40$ °C Amps
 DO-35	 DO-214	MIN	MAX	MAX	MIN	MAX	MAX
HT-32	ST-32	27	37	3 (1)	10 (2)	25	2
HT-32A / HT-5761		28	36	2 (1)	7 at 10 mA (4)	25	2
HT-32B / HT-5761A	ST-32B	30	34	2 (1)	7 at 10 mA (4)	25	2
HT-34B	ST-34B	32	36	2 (1)	10 (2)	25	2
HT-35	ST-35	30	40	3 (1)	10 (2)	25	2
HT-36A / HT-5762	ST-36A	32	40	2 (1)	7 at 10 mA (4)	25	2
HT-36B	ST-36B	34	38	2 (1)	10 (2)	25	2
HT-40	ST-40	35	45	3 (1)	10 (2)	25	2
HT-60		56	70	4	20 (2)	25	1.5

Sidac (79V to 330V) RoHS

Type	Part No.				$I_{T(RMS)}$ (6) (7) (8)	V_{DRM}	V_{BO} (1)		I_{DRM}	I_{BO} (2)	I_H (3) (4)		V_{TM} Volts MAX Package				I_{TSM} (5) Amps		R_S (8)	dv/dt	di/dt
	 TO-92	DO-15X	(10)  TO-202	 DO-214	Amps	Volts	Volts		µAmps	µAmps	mAmps		E		F	S	60 Hz	50 Hz	k Ω	Volts/µSec	Amps/µSec
	See "Package Dimensions" section for variations. (9)				MAX	MIN	MIN	MAX	MAX	MAX	TYP	MAX							MIN	MIN	TYP
	K0900E70	K0900G		K0900S	1	±70	79	97	5	10	60	150	1.5	1.5		1.5	20	16.7	0.1	1500	150
	K1050E70	K1050G		K1050S	1	±90	95	113	5	10	60	150	1.5	1.5		1.5	20	16.7	0.1	1500	150
	K1100E70	K1100G		K1100S	1	±90	104	118	5	10	60	150	1.5	1.5		1.5	20	16.7	0.1	1500	150
	K1200E70	K1200G		K1200S	1	±90	110	125	5	10	60	150	1.5	1.5		1.5	20	16.7	0.1	1500	150
	K1300E70	K1300G		K1300S	1	±90	120	138	5	10	60	150	1.5	1.5		1.5	20	16.7	0.1	1500	150
	K1400E70	K1400G		K1400S	1	±90	130	146	5	10	60	150	1.5	1.5		1.5	20	16.7	0.1	1500	150
	K1500E70	K1500G		K1500S	1	±90	140	170	5	10	60	150	1.5	1.5		1.5	20	16.7	0.1	1500	150
	K2000E70	K2000G	K2000F1	K2000S	1	±180	190	215	5	10	60	150	1.5	1.5	3	1.5	20	16.7	0.1	1500	150
	K2200E70	K2200G	K2200F1	K2200S	1	±180	205	230	5	10	60	150	1.5	1.5	3	1.5	20	16.7	0.1	1500	150
	K2400E70	K2400G	K2400F1	K2400S	1	±190	220	250	5	10	60	150	1.5	1.5	3	1.5	20	16.7	0.1	1500	150
	K2500E70	K2500G	K2500F1	K2500S	1	±200	240	280	5	10	60	150	1.5	1.5	3	1.5	20	16.7	0.1	1500	150
			K3000F1		1	±200	270	330	5	10	60	150			3		20	16.7	0.1	1500	150

Product Packages

Package Code								Isolated Mounting Tab			Non-isolated Mounting Tab						
		G	Y	S	C	T	E	L	K	J	F	R	M	W	D	V	N
Product Type	Current (Amps)	 DO-15	 DO-35	 DO-214	 Compak	 SOT-223	 TO-92*	 TO-220	 TO-218	 TO-218X	 TO-202	 TO-220	 TO-218	 TO-218X	 TO-252 D-Pak	 TO-251 V-Pak	 TO-263 D²Pak
Sensitive Triac 200 ~ 600V	0.8				✓	✓	✓										
	1				✓	✓	✓										
	4							✓			✓				✓	✓	
	6							✓							✓	✓	
	8							✓							✓	✓	
Triac 200 ~ 1000V	0.8				✓		✓										
	1				✓		✓										
	4							✓			✓				✓	✓	
	6							✓			✓	✓					✓
	8							✓			✓	✓					✓
	10							✓			✓	✓					✓
	15							✓				✓					✓
	25											✓					✓
	35																
Quadrac 200 ~ 600V	4							✓									
	6							✓									
	8							✓									
	10							✓									
	15							✓									
Alternistor Triac 200 ~ 1000V	6							✓				✓			✓	✓	✓
	8							✓				✓			✓	✓	✓
	10							✓				✓					✓
	12							✓				✓					✓
	16							✓				✓					✓
	25							✓	✓	✓		✓					✓
	30							✓									
	35											✓					✓
	40								✓	✓							
Sensitive SCR 200 ~ 600V	0.8				✓	✓	✓					✓					
	1.5					✓	✓					✓					
	4										✓	✓			✓	✓	
	6							✓			✓	✓			✓	✓	
	8							✓			✓	✓			✓	✓	
	10							✓			✓	✓			✓	✓	
SCR 200 ~ 1000V	1				✓		✓										
	6							✓			✓				✓	✓	
	8							✓			✓	✓			✓	✓	
	10							✓			✓	✓			✓	✓	
	12											✓			✓	✓	
	15							✓									
	16											✓					✓
	20							✓									
	25							✓				✓					✓
	35								✓	✓							
	40											✓					✓
	55											✓	✓	✓			✓
	65								✓	✓							
	70													✓			
Rectifier 200 ~ 1000V	15							✓									
	20							✓									
	25							✓									
Diac	27 ~ 45V		✓	✓													
Sidac	70 ~ 330V	✓		✓			✓*				✓						

* No center lead on TO-92 Sidacs.

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