

Inverter Grade SCRs

I _{T(RMS)} T _c =65° C 50% Duty Cycle, Half Sine 1KHz (Amps)	I _{TSM} (Amps)		I _{DRM} /I _{RRM} @ Rated V _{DRM} /V _{RRM} and T _{J(Max)} (mA)	I ² t for Fusing @ 8.3 ms (A ² sec × 10 ⁴)	V _{DRM} /V _{RRM} Range (Volts)	V _{TM} @ I _{TM} T _J =25°C		Chip Size (mm)	Junction Temp. Range (°C)	R _{θJC} (°C/W)	t _{q(Max)} @ T _{J(Max)} (μsec)
	50 Hz	60 Hz				I _{TM} (Amps)	V _{TM} (Volts)				
440	4100	4500	25	8.4	100-1200	625	1.85	23	-40 to 125	.08	10 to 50
450	5100	5500	45	12.6	500-1200	3000	4.2	30	-40 to 125	.04	30
450	6900	7500	45	23.3	500-1400	3000	3	30	-40 to 125	.06	60
450	6900	7500	45	23.3	500-1400	3000	3	30	-40 to 125	.06	40
450	9100	10,000	60	41.6	600-2000	1500	2.5	53	-40 to 125	.023	50 to 100
475	7300	8000	30	26.6	100-800	625	1.4	33	-40 to 125	.10	10 to 50
500	3200	3500	20	5.1	100-600	1500	2.85	22	-40 to 125	.095	10
500	3200	3500	20	5.1	100-800	1500	2.85	22	-40 to 125	.095	20
500	6400	7000	30	20.5	100-1400	625	1.65	33	-40 to 125	.06	15 to 60
500	5000	5500	45	12.6	100-600	3000	4.2	30	-40 to 125	.06	14
500	5000	5500	45	12.6	100-600	3000	4.2	30	-40 to 125	.06	20
530	7300	8000	30	26.6	100-1400	625	1.45	33	-40 to 125	.06	15 to 60
550	5500	6000	45	14.9	500-1400	1500	2.9	40	-40 to 125	.045	20
550	5500	6000	45	15.0	500-1400	1500	2.9	30	-40 to 125	.06	20
550	5500	6000	35	15.0	1400-1800	1500	3.15	33	-40 to 125	.045	40 to 60
550	6400	7000	45	20.5	500-1400	1500	2.25	30	-40 to 125	.06	40
550	6800	7500	45	23.3	500-1400	1500	2.6	30	-40 to 125	.06	30
550	6400	7000	35	20.5	100-1200	1500	3.15	33	-40 to 125	.06	10 to 50
600	6400	7000	45	20.3	500-1400	1500	2.6	40	-40 to 125	.045	30
600	6800	7500	45	23.3	500-1200	3000	3	30	-40 to 125	.04	60
600	6800	7500	45	23.3	500-1200	3000	3	30	-40 to 125	.04	40
600	6400	7000	30	20.5	100-800	625	1.5	33	-40 to 125	.06	10 to 50

* = 25°C Value ° = Tentative + = Rating at T_{J(Max)}



JEDEC TO-93

Q _{rr} (Max) @ T _J =25°C (μcoul)	Min di/dt Repetitive on-State (A/μsec)	Min Critical dv/dt @ T _J (Max) (V/μsec)	Max V _{GT} (V)	Max I _{GT} (mA)	PACKAGE INFORMATION			
					Max Mounting Force or Torque	STYLE	Outline	TYPE NO.
—	300	300	3	150	<u>1400 lbs</u> 6.25 KN	Press Pak	T62	T627 __ __ 25
6	500	200	5	300	<u>2500 lbs</u> 11.2 KN	Press Pak	TO-200AB	C436
75	500	200	5	300	<u>2000 lbs</u> 8.9 KN	Press Pak	TO-200AC	C397
75	500	200	5	300	<u>2000 lbs</u> 8.9 KN	Press Pak	TO-200AC	C398
—	500	400	3*	300*	<u>5500 lbs</u> 24.6 KN	Press Pak	T9G	T9GH __ __ 08
—	400	300	3*	150*	<u>360 lb-in</u> 420 kg-cm	¼-16 Stud	T70	T707 __ __ 33
—	500	200	5	500	<u>800 lbs</u> 3.56 KN	Press Pak	TO-200AB	C384
—	500	200	5	500	<u>800 lbs</u> 3.56 KN	Press Pak	TO-200AB	C385
—	300	300	3*	150*	<u>2400 lbs</u> 10.7 KN	Press Pak	T72	T727 __ __ 35
—	500	200	5	400	<u>2000 lbs</u> 8.9 KN	Press Pak	TO-200AC	C392
—	500	200	5	400	<u>2000 lbs</u> 8.9 KN	Press Pak	TO-200AC	C393
—	400	300	3*	150*	<u>2400 lbs</u> 10.7 KN	Press Pak	T72	T727 __ __ 45
90	500	200	5	400	<u>2500 lbs</u> 11.1 KN	Press Pak	TO-200 AB	C476
40	600	200	5	250	<u>2000 lbs</u> 8.9 KN	Press Pak	TO-200AC	C376
—	300	300	3*	150*	<u>2400 lbs</u> 10.7 KN	Press Pak	T7S	T7SH __ __ 36
90	600	200	5	250	<u>2000 lbs</u> 8.9 KN	Press Pak	TO-200AC	C377
90	600	200	5	250	<u>2000 lbs</u> 8.9 KN	Press Pak	TO-200AC	C378
—	500	300	3*	150*	<u>2400 lbs</u> 10.7 KN	Press Pak	T72	T72H __ __ 35
90	500	200	5	400	<u>2500 lbs</u> 11.1 KN	Press Pak	TO-200AB	C478
75	500	200	5	300	<u>2500 lbs</u> 11.1 KN	Press Pak	TO-200AB	C437
75	500	200	5	300	<u>2500 lbs</u> 11.1 KN	Press Pak	TO-200 AB	C438
—	300	300	3*	150*	<u>2400 lbs</u> 10.7 KN	Press Pak	T72	T727 __ __ 40

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