




# SCRs (Silicon Controlled Rectifiers)



## Metal/Plastic Packages

0.8 to 110 Amperes RMS  
15 to 1200 Volts

IT (AMPS)	0.8					
@ Tc (°C)	55	55	55	55	60	60
ITSM (AMPS)	6.0	6.0	6.0	6.0	10	10
	 TO-18			 TO-92		 TO-92-18R
CASE						
VRRM (VOLTS)						
15	2N876	2N884				
30	2N877	2N885	2N3001	2N3005	2N5060	BRX44
60	2N878	2N886	2N3002	2N3006	2N5061	BRX45
100	2N879	2N887	2N3003	2N3007	2N5062	BRX46
150	2N880	2N888			2N5063	
200	2N881	2N889	2N3004	2N3008	2N5064	BRX47
300	2N882	2N890			2N6564	BRX48
400	2N883	2N891			2N6565	BRX49
IGT	200µA	20µA	20µA	200µA	200µA	200µA
VGT	0.8V	0.7V	0.7V	0.8V	0.8V	0.8V
IH	5.0mA	5.0mA	3.0mA	5.0mA	5.0mA	5.0mA

# SCRs



(Continued)

IT (AMPS)	0.8				
⊙ TC (°C)	60	60	60	60	60
ITSM (AMPS)	10	10	10	10	10
CASE	 TO-92-18R			 TO-92	
VRRM (VOLTS)					
30	C103Y				
60	C103YY				
100	C103A				
200	C103B	CS55B	CS55BZ	CS92B	CS92BZ
400		CS55D	CS55DZ	CS92D	CS92DZ
600				CS92M	CS92MZ
800				CS92N	CS92NZ

IGT	200μA	200μA	20μA	200μA	20μA
VGT	0.8V	0.8V	0.8V	0.8V	0.8V
IH	5.0mA	5.0mA	5.0mA	5.0mA	5.0mA



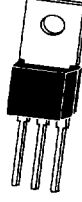

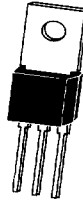
# SCRs

(Continued)

IT (AMPS)	1.0		1.6		
	90	90	70	70	70
⊙ Tc (°C)	90	90	70	70	70
ITSM (AMPS)	10	10	15	15	15
					
CASE	TO-18		TO-39		
VRRM (VOLTS)					
25					2N2322
50			2N1595	2N1595A	2N2323
100			2N1596	2N1596A	2N2324
150					2N2325
200	CS18B	CS18BZ	2N1597	2N1597A	2N2326
250					2N2327
300			2N1598	2N1598A	2N2328
400	CS18D	CS18DZ	2N1599	2N1599A	2N2329
600	CS18M	CS18MZ			
800	CS18N	CS18NZ			
IGT	200μA	20μA	10mA	2.0mA	200μA
VGT	0.8V	0.8V	2.0V	2.0V	0.8V
IH	5.0mA	5.0mA	20mA	5.0mA	2.0mA

# SCRs


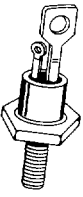

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IT (AMPS)	1.6	4.0			
@ Tc (°C)	55	90	85	85	30
ITSM (AMPS)	6.0	35	30	30	20
					
CASE	TO-18	TO-39	TO-202	TO-202-2	TO-202
VRRM (VOLTS)					
50	2N6605				
60	2N6606				
100	2N6607				C106A1
200	2N6608	CS39-4B	CS202-4B	CS202-4B-2	C106B1
300					C106C1
400		CS39-4D	CS202-4D	CS202-4D-2	C106D1
500					C106E1
600		CS39-4M	CS202-4M	CS202-4M-2	C106M1
800		CS39-4N			

IGT	200µA	200µA	200µA	200µA	200µA
VGT	0.8V	0.8V	0.8V	0.8V	0.8V
IH	5.0mA	5.0mA	5.0mA	5.0mA	5.0mA

# SCRs

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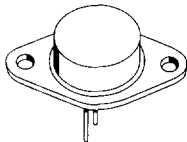

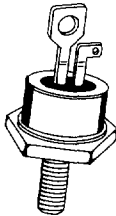

<b>I<sub>T</sub> (AMPS)</b>	<b>8.0</b>			<b>10</b>	<b>12</b>
<b>@ T<sub>C</sub> (°C)</b>	90	100	100	90	90
<b>I<sub>TSM</sub> (AMPS)</b>	90	100	100	100	120
					
<b>CASE</b>	TO-220	TO-64		TO-220	
<b>V<sub>RRM</sub> (VOLTS)</b>					
<b>25</b>		2N1770,A*	2N4167*		
<b>50</b>		2N1771,A*	2N4168*		
<b>100</b>		2N1772,A*	2N4169*		
<b>150</b>		2N1773,A*			
<b>200</b>	CS220-8B	2N1774,A*	2N4170*	CS220-10B	CS220-12B
<b>250</b>		2N1775,A*			
<b>300</b>		2N1776,A*	2N4171*		
<b>400</b>	CS220-8D	2N1777,A*	2N4172*	CS220-10D	CS220-12D
<b>500</b>		2N1778,A*	2N4173*		
<b>600</b>	CS220-8M	2N2619*	2N4174*	CS220-10M	CS220-12M
<b>800</b>	CS220-8N			CS220-10N	CS220-12N
<b>1000</b>					CS220-12P

<b>I<sub>GT</sub></b>	15mA	15mA	30mA	15mA	15mA
<b>V<sub>GT</sub></b>	1.5V	1.5V	1.5V	1.5V	1.5V
<b>I<sub>H</sub></b>	30mA	25mA	30mA	30mA	30mA

\* Not recommended for new designs.

# SCRs

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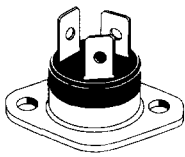
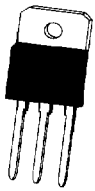
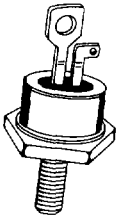
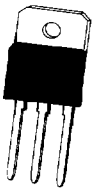
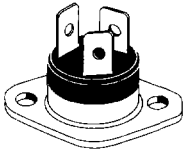
IT (AMPS)	16			25	
	90	90	90	70	90
ITSM (AMPS)	200	200	160	200	250
CASE					
VRRM (VOLTS)					
25				2N681,A*	
50				2N682,A*	
100	2N3668			2N683,A*	
150				2N684,A*	
200	2N3669	CS3-16B	CS220-16B*	2N685,A*	CS220-25B
250				2N686,A*	
300				2N687,A*	
400	2N3670	CS3-16D	CS220-16D*	2N688,A*	CS220-25D
500				2N689,A*	
600	2N4103	CS3-16M	CS220-16M*	2N690,A*	CS220-25M
700				2N691,A*	
800		CS3-16N	CS220-16N*	2N692,A*	CS220-25N
1000			CS220-16P*		CS220-25P
1200					CS220-25PB

IGT	40mA	25mA	25mA	40mA	40mA
VGT	2.0V	2.0V	1.5V	2.0V	1.5V
IH	50mA	40mA	40mA	50mA	50mA

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# SCRs

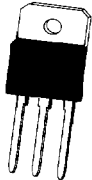
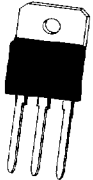
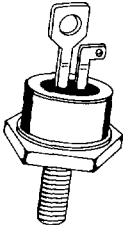
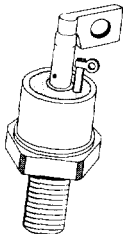
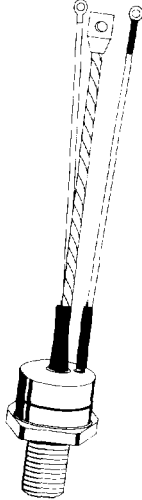
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I <sub>T</sub> (AMPS)	30		35		40
	75	85	75	85	75
@ T <sub>C</sub> (°C)	75	85	75	85	75
I <sub>TSM</sub> (AMPS)	400	400	330	400	500
<b>CASE</b>	 TO-3P	 TO-218 ISOL	 TO-48	 TO-218	 TO-3P
<b>V<sub>RRM</sub> (VOLTS)</b>	ISOLATED	ISOLATED			ISOLATED
<b>200</b>	CS3P-30B*	CS218I-30B	CS48-35B*	CS218-35B*	CS3P-40B*
<b>400</b>	CS3P-30D*	CS218I-30D	CS48-35D*	CS218-35D*	CS3P-40D*
<b>600</b>	CS3P-30M*	CS218I-30M	CS48-35M*	CS218-35M*	CS3P-40M*
<b>800</b>	CS3P-30N*	CS218I-30N	CS48-35N*	CS218-35N*	CS3P-40N*
<b>1000</b>	CS3P-30P*	CS218I-30P	CS48-35P*	CS218-35P*	CS3P-40P*
<b>1200</b>	CS3P-30PB*	CS218I-30PB	CS48-35PB*	CS218-35PB*	CS3P-40PB*
<b>I<sub>GT</sub></b>	50mA	50mA	40mA	50mA	80mA
<b>V<sub>GT</sub></b>	1.5V	1.5V	1.5V	1.5V	1.5V
<b>I<sub>H</sub></b>	75mA	75mA	100mA	75mA	150mA

\* Not recommended for new designs.

# SCRs

(Continued)

IT (AMPS)	50	55	70	110	
θ TC (°C)	75	75	110	80	80
ITSM (AMPS)	500	500	1000	1600	1600
					
CASE	TO-218 ISOL	TO-218	TO-65	TO-83	TO-94
VRRM (VOLTS)	ISOLATED				
200	CS218I-50B	CS218-55B*	CS65-70B	CS83-110B	CS94-110B
400	CS218I-50D	CS218-55D*	CS65-70D	CS83-110D	CS94-110D
600	CS218I-50M	CS218-55M*	CS65-70M	CS83-110M	CS94-110M
800	CS218I-50N	CS218-55N*	CS65-70N	CS83-110N	CS94-110N
1000	CS218I-50P	CS218-55P*	CS65-70P	CS83-110P	CS94-110P
1200	CS218I-50PB	CS218-55PB*	CS65-70PB	CS83-110PB	CS94-110PB

IGT	80mA	80mA	100mA	100mA	100mA
VGT	1.5V	1.5V	3.0V	3.0V	3.0V
IH	150mA	150mA	200mA	100mA	100mA

\* Not recommended for new designs.