


## SCRs (Silicon Controlled Rectifiers)

Metal/Plastic Packages

0.8 to 110 Amperes RMS

15 to 1200 Volts





$I_T$ (AMPS)	0.35	0.8			
@ $T_C$ (°C)	25	55	55	55	55
$I_{TSM}$ (AMPS)	6.0	6.0	6.0	6.0	6.0
CASE	 TO-18				
$V_{RRM}$ (VOLTS)					
15	–	2N876	2N884	–	–
30	2N6605	2N877	2N885	2N3001	2N3005
60	2N6606	2N878	2N886	2N3002	2N3006
100	2N6607	2N879	2N887	2N3003	2N3007
150	–	2N880	2N888	–	–
200	2N6608	2N881	2N889	2N3004	2N3008
300	–	2N882	2N890	–	–
400	–	2N883	2N891	–	–
$I_{GT}$	200 $\mu$ A	200 $\mu$ A	20 $\mu$ A	20 $\mu$ A	200 $\mu$ A
$V_{GT}$	0.8V	0.8V	0.7V	0.7V	0.8V
$I_H$	5.0mA	5.0mA	5.0mA	3.0mA	5.0mA

**Central**  
Semiconductor Corp.

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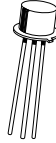

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$I_T$ (AMPS)	0.8						
@ $T_C$ ( $^{\circ}C$ )	60	60	60	60	60	60	60
$I_{TSM}$ (AMPS)	10	10	10	10	10	10	10
CASE	 TO-92 Pinout C G A	 TO-92 Pinout A G C	 TO-92 Pinout A G C			 TO-92 Pinout C G A	
$V_{RRM}$ (VOLTS)							
30	2N5060	BRX44*	C103Y*	–	–	–	–
60	2N5061	BRX45*	C103YY*	–	–	–	–
100	2N5062	BRX46*	C103A*	–	–	–	–
150	2N5063	–	–	–	–	–	–
200	2N5064	BRX47*	C103B*	CS55B*	CS55BZ*	CS92B	CS92BZ
300	2N6564	BRX48*	–	–	–	–	–
400	2N6565	BRX49*	–	CS55D*	CS55DZ*	CS92D	CS92DZ
600	–	–	–	–	–	CS92M	CS92MZ
800	–	–	–	–	–	CS92N	CS92NZ
$I_{GT}$	200 $\mu$ A	200 $\mu$ A	200 $\mu$ A	200 $\mu$ A	20 $\mu$ A	200 $\mu$ A	20 $\mu$ A
$V_{GT}$	0.8V	0.8V	0.8V	0.8V	0.8V	0.8V	0.8V
$I_H$	5.0mA	5.0mA	5.0mA	5.0mA	5.0mA	5.0mA	5.0mA

\* TO-92-18R lead forming available. Please consult factory.

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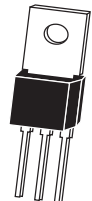
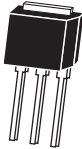
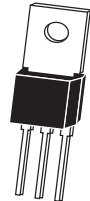
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$I_T$ (AMPS)	1.0		1.6		
@ $T_C$ (°C)	90	90	70	70	70
$I_{TSM}$ (AMPS)	10	10	15	15	15
					
CASE	TO-18		TO-39		
$V_{RRM}$ (VOLTS)					
25					2N2322
50			2N1595	2N1595A	2N2323
100			2N1596	2N1596A	2N2324
150					2N2325
200	CS18B	CS18BZ	2N1597	2N1597A	2N2326
250					2N2327
300			2N1598	2N1598A	2N2328
400	CS18D	CS18DZ	2N1599	2N1599A	2N2329
600	CS18M	CS18MZ			
800	CS18N	CS18NZ			

$I_{GT}$	200 $\mu$ A	20 $\mu$ A	10mA	2.0mA	200 $\mu$ A
$V_{GT}$	0.8V	0.8V	2.0V	2.0V	0.8V
$I_H$	5.0mA	5.0mA	20mA	5.0mA	2.0mA

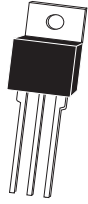

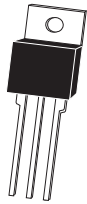
# SCRs

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$I_T$ (AMPS)	4.0				
@ $T_C$ (°C)	90	85	85	85	30
$I_{TSM}$ (AMPS)	35	30	30	20	20
CASE	 TO-39	 TO-202	 TO-202-2		 TO-202
$V_{RRM}$ (VOLTS)					
200	CS39-4B	CS202-4B	CS202-4B-2	C106B2	C106B1
400	CS39-4D	CS202-4D	CS202-4D-2	C106D2	C106D1
600	CS39-4M	CS202-4M	CS202-4M-2	C106M2	C106M1
800	CS39-4N				
$I_{GT}$	200 $\mu$ A	200 $\mu$ A	200 $\mu$ A	200 $\mu$ A	200 $\mu$ A
$V_{GT}$	0.8V	0.8V	0.8V	0.8V	0.8V
$I_H$	5.0mA	2.0mA	5.0mA	3.0mA	5.0mA

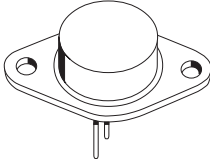
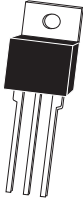
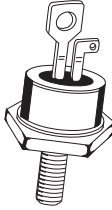
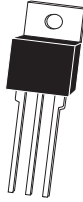
# SCRs

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$I_T$ (AMPS)	8.0			10	12
@ $T_C$ (°C)	90	100	100	90	90
$I_{TSM}$ (AMPS)	90	100	100	100	120
CASE	 TO-220	 TO-64		 TO-220	
$V_{RRM}$ (VOLTS)					
25	-	-	2N4167	-	-
50	-	-	2N4168	-	-
100	-	2N1772A	2N4169	-	-
200	CS220-8B	2N1774A	2N4170	CS220-10B	CS220-12B
300	-	2N1776A	2N4171	-	-
400	CS220-8D	2N1777A	2N4172	CS220-10D	CS220-12D
500	-	-	2N4173	-	-
600	CS220-8M	-	2N4174	CS220-10M	CS220-12M
800	CS220-8N	-	-	CS220-10N	CS220-12N
1000	-	-	-	-	CS220-12P
$I_{GT}$	15mA	15mA	30mA	15mA	15mA
$V_{GT}$	1.5V	2.0V	1.5V	1.5V	1.5V
$I_H$	30mA	25mA	30mA	30mA	30mA

# SCRs

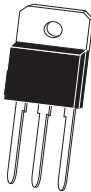
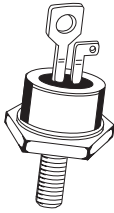
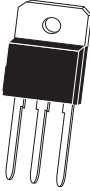
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$I_T$ (AMPS)	16			25	
@ $T_C$ (°C)	90	90	90	70	90
$I_{TSM}$ (AMPS)	200	200	160	200	250
CASE	 TO-3 50 mil		 TO-220	 TO-48	 TO-220
$V_{RRM}$ (VOLTS)					
25				2N681,A	
50				2N682,A	
100	2N3668			2N683,A	
150				2N684,A	
200	2N3669	CS3-16B	CS220-16B*	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
$I_{GT}$	40mA	25mA	25mA	40mA	40mA
$V_{GT}$	2.0V	2.0V	1.5V	2.0V	1.5V
$I_H$	50mA	40mA	40mA	50mA	50mA

\* Not recommended for new designs.

# SCRs

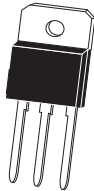
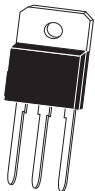
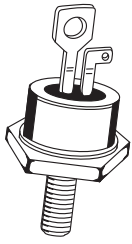
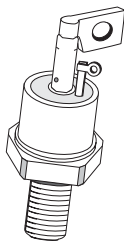

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$I_T$ (AMPS)	30		35	
@ $T_C$ (°C)	85		75	85
$I_{TSM}$ (AMPS)	400		330	400
				
CASE	TO-218 ISOL		TO-48	TO-218
$V_{RRM}$ (VOLTS)	ISOLATED			
200*	CS218I-30B		CS48-35B	CS218-35B*
400*	CS218I-30D		CS48-35D	CS218-35D*
600	CS218I-30M		CS48-35M	CS218-35M*
800	CS218I-30N		CS48-35N	CS218-35N*
1000	CS218I-30P		CS48-35P	CS218-35P*
1200	CS218I-30PB		CS48-35PB	CS218-35PB*
$I_{GT}$	50mA		40mA	50mA
$V_{GT}$	1.5V		1.5V	1.5V
$I_H$	75mA		100mA	75mA

\* Not recommended for new designs.

# SCRs

(Continued)

$I_T$ (AMPS)	50	55	70	110	
@ $T_C$ (°C)	75	75	110	80	80
$I_{TSM}$ (AMPS)	500	500	1000	1600	1600
CASE	 TO-218 ISOL	 TO-218	 TO-65	 TO-83	 TO-94
$V_{RRM}$ (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
$I_{GT}$	80mA	80mA	100mA	100mA	100mA
$V_{GT}$	1.5V	1.5V	3.0V	3.0V	3.0V
$I_H$	150mA	150mA	200mA	100mA	100mA

\* Not recommended for new designs.