



Part Number	V <sub>RRM</sub> V <sub>DRM</sub> (V)	I <sub>T(RMS)</sub> (A)	I <sub>T(AV)</sub> @ T <sub>c</sub>		I <sub>TSM</sub> (1)		V <sub>GT</sub> (2) (V)	I <sub>GT</sub> (2) (mA)	V <sub>TM</sub> @ I <sub>TM</sub>		dv/dt (4) (V/μs)	R <sub>thJC</sub> DC (°C/W)	Case Outline Number (15)	Notes	Case Style
			(A)	(°C)	50 Hz (A)	60 Hz (A)			(V)	(A)					
80RK110 80RK120 80RK140 80RK160 80RK180 80RK1100 80RK120	100 200 400 600 800 1000 1200	125	80	90	1600	1700	2.0	100	1.60	250	500	0.35	T6	(5) (6) (7) (16)	TO-209AC (TO-94) 
110RK110 110RK120 110RK140 110RK160 110RK180 110RK1100 110RK120	100 200 400 600 800 1000 1200	172	110	90	1750	1830	2.0	100	1.50	350	500	0.27			
ST110S02POV ST110S04POV ST110S06POV ST110S08POV ST110S10POV ST110S12POV ST110S14PO ST110S16PO	200 400 600 800 1000 1200 1400 1600	175	110	90	2270	2380	3.0	150	1.52	350	500	0.195	T5 T7	(10) (12) (16)	TO-209AB (TO-93) 
180RK120 180RK140 180RK160 180RK180 180RK1100	200 400 600 800 1000	285	180	80	3500	3660	2.5	150	1.35	570	500	0.15	T9	(5) (6) (7) (16)	
ST180S02POV ST180S04POV ST180S06POV ST180S08POV ST180S10POV ST180S12POV ST180S14PO ST180S16PO ST180S18PO ST180S20PO	200 400 600 800 1000 1200 1400 1600 1800 2000	314	200	85	4200	4400	3.0	150	1.75	570	500	0.105	T8 T10	(10) (12) (16)	
ST230S02POV ST230S04POV ST230S06POV ST230S08POV ST230S10POV ST230S12POV ST230S14PO ST230S16PO	200 400 600 800 1000 1200 1400 1600	361	230	85	4800	5000	3.0	150	1.55	720	500	0.1	T8 T10	(10) (11) (12) (16)	
ST280S02POV ST280S04POV ST280S06POV	200 400 600	440	280	85	6600	6900	3.0	150	1.28	880	500	0.105	T8	(10) (11) (12) (16)	

**C**

- (1) @ T<sub>j</sub> = T<sub>j</sub> max. 125°C and 100% V<sub>RRM</sub> reapplied.
- (2) T<sub>j</sub> = 25°C.
- (4) Linear to 0.8 V<sub>DRM</sub>, T<sub>j</sub> = 125°C.
- (5) Available with metric stud; to specify add "M" to the end of the part number (e.g., 80RK120M).
- (6) For faston terminals add "1" to the second or third digit in part number (e.g., 111RK120).
- (7) Flag terminal available, to specify add "2" to second or third digit in part number (e.g., 112RK120).
- (10) Available with metric stud; to specify change "P" to "M" in part number (e.g., ST110S10MOV).
- (11) Available with flat base: to specify change "P" to "F" in part number (e.g., ST230S10FOV).
- (12) For faston terminals change last "0" to "1" in part number (e.g., ST110S02P1V).
- (15) For case outline drawing see page 0-2.
- (16) V<sub>TM</sub> measured at T<sub>j</sub> = T<sub>j</sub> max.