Thyristors

Phase Control Type

110–125 Amps RMS

Part Number	V_{RRM} V_{DRM} (V)	$I_{T(RMS)}$ (A)	$I_{T(AV)}$ @ T_C (A)	$I_{T(AV)}$ @ T_C (°C)	I_{TSM} (1) 50 Hz (A)	I_{TSM} (1) 60 Hz (A)	V_{GT} (2) (V)	I_{GT} (2) (mA)	V_{TM} (3) (V)	dv/dt (4) (V/μs)	R_{thJC} DC (°C/W)	Case Outline Number (11)	Notes	Case Style
2N1792	50											T7 A	(7) (9)	TO-208AD (TO-83)
2N1793	100													
2N1794	150													
2N1795	200													
2N1796	250													
2N1797	300													
2N1798	400	110	70	65	955	1000	2.5	70	1.85	200	0.40			
2N1799	500													
2N1800	600													
2N1801	700													
2N1802	800													
2N1803	900							110	2.00					
2N1804	1000							110	2.00					
2N3091	600											T5 A		TO-209AC (TO-94)
2N3092	700													
2N3093	800													
2N3094	900	110	70	62	955	1000	2.5	110	1.85	20	0.40			
2N3095	1000													
2N3096	1100													
2N3097	1200													
2N3098	1300													
2N1909	25													
2N1910	50													
2N1911	100													
2N1912	150													
2N1913	200													
2N1914	250	110	70	62	955	1000	2.5	70	1.85	200	0.40			
2N1915	300													
2N1916	400													
2N1805	500													
2N1806	600													
2N1807	700													
70RIA10	100												(5) (6) (7)	
70RIA20	200													
70RIA40	400													
70RIA60	600	110	70	80	1200	1255	2.5	100	1.80	500	0.35			
70RIA80	800													
70RIA100	1000													
70RIA120	1200													
2N2023	25												(7) (9)	
2N2024	50													
2N2025	100													
2N2026	150	110	70	85	955	1000	2.0	70	1.90	50	0.40			
2N2027	200													
2N2028	250													
2N2029	300													
2N2030	400													
ST080S02P	200											T5 B	(8) (10)	
ST080S04P	400													
ST080S06P	600													
ST080S08P	800	125	80	90	1730	1810	3.0	150	1.90	400	0.26			
ST080S10P	1000													
ST080S12P	1200													
ST080S14P	1400											T6 A		
ST080S16P	1600													
80RIA10	100											T5 A	(5) (6) (7)	
80RIA20	200													
80RIA40	400													
80RIA60	600	125	80	91	1590	1667	2.5	120	1.40	500	0.30			
80RIA80	800													
80RIA100	1000													
80RIA120	1200													

(1) 100% V_{RRM} reapplied @ $T_j = T_j$ max. 125°C.
(2) T_j = 25°C.
(3) $\pi \times I_{T(AV)}$ @ T_J = 25°C.
(4) Exponential to 0.67 V_{DRM}; T_J = 125°C.
(5) Available with Faston, to specify add "1" to second digit in part number (e.g., 71RIA10).
(6) Flag terminal available, to specify add"2" to second digit in part number (e.g., 72RIA10), outline T7.
(7) Available with metric stud; to specify add"M" to the end of part number (e.g., 70RIA120M).
(8) Available with metric stud; change "P" to "M" at end of part number: ST080S10M.
(9) dV/dt: exponential to 100% V_{DRM}; T_j = 125°C.
(10) dV/dt: Linear to 0.8 V_{DRM}: T_j = 125°C
(11) For case outline drawing see page 154.