



Part Number	V <sub>RRM</sub> / V <sub>DRM</sub> (V)	I <sub>RMS</sub> (A)	I <sub>T(AV)</sub> (A)	@T <sub>C</sub> (°C)	I <sub>TSM</sub> (a) (A)	(b) (A)	V <sub>GT</sub> (V)	I <sub>GT</sub> (A)	V <sub>TM</sub> (V)	@I <sub>TM</sub> (A)	dv/dt (V/μs)	R <sub>θJC(DC)</sub> (°C/W)	Notes	Fax on Demand Number	Case Outline Key
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## Thyristors

### TO-209AE (TO-118)

ST300S04P0	400	300	470	75	6730	7040	3	200	1.66	940	500	0.1	2 3 4 6 7 9 11	25158	T11
ST300S08P0	800	300	470	75	6730	7040	3	200	1.66	940	500	0.1	2 3 4 6 7 9 11	25158	
ST300S12P0	1200	300	470	75	6730	7040	3	200	1.66	940	500	0.1	2 3 4 6 7 9 11	25158	
ST300S16P0	1600	300	470	75	6730	7040	3	200	1.66	940	500	0.1	2 3 4 6 7 9 11	25158	
ST300S18P0	1800	300	470	75	6730	7040	3	200	1.66	940	500	0.1	2 3 4 6 7 9 11	25158	
ST300S20P0	2000	300	470	75	6730	7040	3	200	1.66	940	500	0.1	2 3 4 6 7 9 11	25158	
ST330S04P0	400	330	520	75	7570	7920	3	200	1.51	1040	500	0.1	2 3 4 6 7 9 11	25156	T11
ST330S08P0	800	330	520	75	7570	7920	3	200	1.51	1040	500	0.1	2 3 4 6 7 9 11	25156	
ST330S12P0	1200	330	520	75	7570	7920	3	200	1.51	1040	500	0.1	2 3 4 6 7 9 11	25156	
ST330S14P0	1400	330	520	75	7570	7920	3	200	1.51	1040	500	0.1	2 3 4 6 7 9 11	25156	
ST330S16P0	1600	330	520	75	7570	7920	3	200	1.51	1040	500	0.1	2 3 4 6 7 9 11	25156	

**NOTES:**

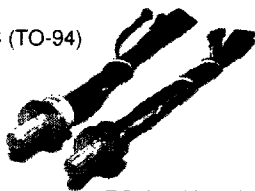
- 2 For I<sub>TSM</sub>: 100% V<sub>RRM</sub> reapplied, T<sub>j</sub>=T<sub>j</sub> max.=125°C
- 3 For I<sub>GT</sub>, V<sub>GT</sub>: T<sub>j</sub> = 25°C
- 4 V<sub>TM</sub> @ π X I<sub>T(AV)</sub>, T<sub>j</sub>=125°C
- 5 dv/dt exponential to 0.67 V<sub>DRM</sub>, T<sub>j</sub>=25°C
- 6 Available with metric stud. To order, add 'M' to part number, e.g. 10RIA10M.

- 7 dv/dt linear to 0.8 V<sub>DRM</sub>, T<sub>j</sub> = 125°C
- 8 dv/dt exponential to 100% V<sub>DRM</sub>, T<sub>j</sub> = 125°C
- 9 V<sub>TM</sub> measured at T<sub>j</sub>=T<sub>j</sub> max
- 10 Max T<sub>j</sub> = 150°C

- 11 Available with fast-on terminals. To order, change last '0' to '1' in part number, e.g. ST180S04P1V

- 12 Available with fast-on terminals. To order, change first '0' to '1' in part number, e.g. 81RIA40
- 13 Available with flag terminals. To order, change first '0' to '2' in part number, e.g. 82RIA40
- 15 dv/dt exponential to 0.67, T<sub>j</sub> = 125°C
- 16 Available with flag terminal. To order, change last '0' to '2' in part number, e.g. ST180S04P2V

TO-209AC (TO-94)



TO-209AB (TO-93)

TO-209AE (TO-118)



TO-208AA  
(TO-48)



TO-208AC  
(TO-65)



TO-208AD  
(TO-83)

