Phase Control SCR

Thyristors

TO-208AA (TO-48)

Part Number	V_{RRM}/V_{DRM} (V)	I_{RMS} (A)	$I_{T(AV)}$ (A)	@T_C (°C)	I_{TSM} (a) (A)	I_{TSM} (b) (A)	V_{GT} (V)	I_{GT} (A)	V_{TM} (V)	@I_{TM} (A)	dv/dt (V/µs)	$R_{\Theta JC(DC)}$ (°C/W)	Notes	Fax on Demand Number	Case Outline Key
10RIA10	100	10	25	85	190	200	2	60	1.75	300		1.85	2 3 4 5 6	30060	T1
10RIA20	200	10	25	85	190	200	2	60	1.75	300		1.85	2 3 4 5 6	30060	
10RIA40	400	10	25	85	190	200	2	60	1.75	300		1.85	2 3 4 5 6	30060	
10RIA60	600	10	25	85	190	200	2	60	1.75	300		1.85	2 3 4 5 6	30060	
10RIA80	800	10	25	85	190	200	2	60	1.75	300		1.85	2 3 4 5 6	30060	
10RIA100	1000	10	25	85	190	200	2	60	1.75	300		1.85	2 3 4 5 6	30060	
10RIA120	1200	10	25	85	190	200	2	60	1.75	300		1.85	2 3 4 5 6	30060	
2N681	25	16	25	65	145	150	2	40	2	250		1.5	2 3 4 5	30081	T1
2N682	50	16	25	65	145	150	2	40	2	250		1.5	2 3 4 5	30081	
16RIA10	100	16	35	85	285	300	2	60	1.75	300		1.15	2 3 4 5 6	30060	
2N683	100	16	25	65	145	150	2	40	2	250		1.5	2 3 4 5	30081	
2N684	150	16	25	65	145	150	2	40	2	250		1.5	2 3 4 5	30081	
16RIA20	200	16	35	85	285	300	2	60	1.75	300		1.15	2 3 4 5 6	30060	

NOTES:

2 For Itsm: 100% VRRM reapplied, $T_j=T_j$ max.=125°C

3 For Igt, Vgt: T_j = 25°C

4 Vtm @ pi X It(AV), Tj=125°C

5 dv/dt exponential to 0.67 VDRM, Tj=25°C

6 Available with metric stud. To order, add 'M' to part number, e.g.10RIA10M

7 dv/dt linear to 0.8 Vdrm, T_j = 125°C

8 dv/dt exponential to 100% VDRM; T_j = 125°C

9 Vtm measured at $T_j=T_j$ max

10 Max T_j = 150°C

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

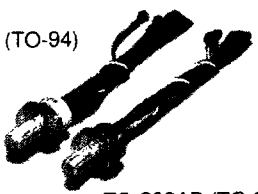
12 Available with fast-on terminals. To order, change first '0' to '1' in part number, e.g. 81RIA40

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_j = 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)