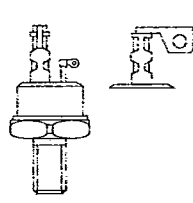
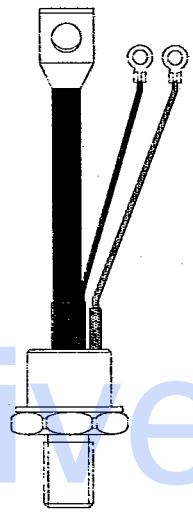
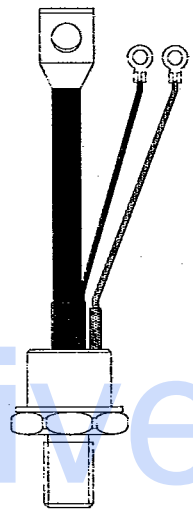
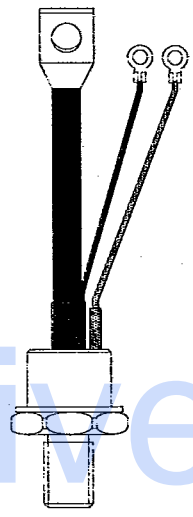
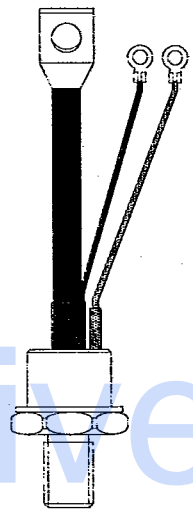
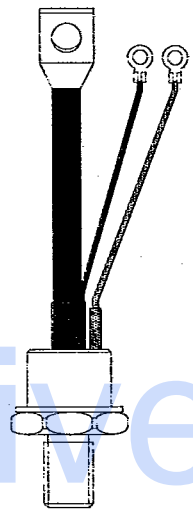
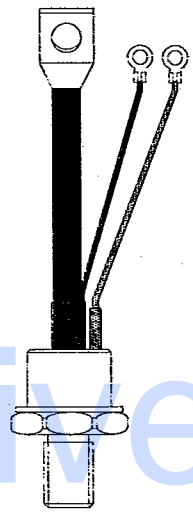


## Phase Control Thyristors

110 TO 125 AMPS RMS

International  
IOR Rectifier

T-25-01

Part number	$V_{RRM}$ $V_{DRM}$ (V)	$I_{T(RMS)}$ (A)	$I_{T(AV)}$		$T_C$ (°C)	$I_{TSM(1)}$		$V_{GT}$ (2) (V)	$I_{GT}$ (2) (mA)	$V_{TM}$ (3) (V)	$dv/dt$ (4) (V/μs)	$R_{thJC}$ DC (°C/W)	Case Outline Number	Notes	Case style																																																																																																
						$I_{T(AV)}$										50Hz	60Hz																																																																																														
			(A)	(A)		(A)	(A)																																																																																																								
2N1792 2N1793 2N1794 2N1795 2N1796 2N1797 2N1798 2N1799 2N1800 2N1801 2N1802 2N1803 2N1804	50 100 150 200 250 300 400 500 600 700 800 900 1000	110	70	65	955	1000	2.5	70	1.85	200	0.40	T7 A	(7) (9)		TO-208AD (TO-83)																																																																																																
2N3091 2N3092 2N3093 2N3094 2N3095 2N3096 2N3097 2N3098	600 700 800 900 1000 1100 1200 1300															110	70	62	955	1000	2.5	110	1.85	20	0.40	T5 A	(7) (9)		TO-209AC (TO-94)																																																																																		
2N1909 2N1910 2N1911 2N1912 2N1913 2N1914 2N1915 2N1916 2N1915 2N1916 2N1805 2N1806 2N1807	25 50 100 150 200 250 300 400 500 600 700																													110	70	62	955	1000	2.5	70	1.85	200	0.40	T5 A	(7) (9)		TO-209AC (TO-94)																																																																				
70RIA10 70RIA20 70RIA40 70RIA60 70RIA80 70RIA100 70RIA120	100 200 400 600 800 1000 1200																																											110	70	80	1200	1255	2.5	100	1.80	500	0.35	T5 A	(5) (6) (7)		TO-209AC (TO-94)																																																						
2N2023 2N2024 2N2025 2N2026 2N2027 2N2028 2N2029 2N2030	25 50 100 150 200 250 300 400																																																									110	70	85	955	1000	2.0	70	1.90	50	0.40	T5 A	(7) (9)		TO-209AC (TO-94)																																								
ST080S02P ST080S04P ST080S06P ST080S08P ST080S10P ST080S12P ST080S14P ST080S16P	200 400 600 800 1000 1200 1400 1600																																																																							125	80	90	1730	1810	3.0	150	1.90	400	0.26	T5 B	(8) (10)		TO-209AC (TO-94)																										
80RIA10 80RIA20 80RIA40 80RIA60 80RIA80 80RIA100 80RIA120	100 200 400 600 800 1000 1200																																																																																	125				80	91	1590	1667	2.5	120	1.40	500	0.30	T6A	(5) (6) (7)		TO-209AC (TO-94)													

(1) 100%  $V_{RRM}$  reapplied  $T_J = 125^\circ\text{C}$ .(2)  $T_J = 25^\circ\text{C}$ .(3)  $\pi \times I_{T(AV)}$  @  $T_J = 25^\circ\text{C}$ (4) Exponential to 0.67  $V_{DRM}$ ;  $T_J = 125^\circ\text{C}$ .

(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%  $V_{DRM}$ ;  $T_J = 125^\circ\text{C}$ .(10)  $dv/dt$ : Linear to 0.8  $V_{DRM}$ ;  $T_J = 125^\circ\text{C}$ .