




Thyristors

Phase Control Type

2000–5950 Amps



Part Number	V _{RRM} V _{DRM} (V)	I _T (RMS) (A)	I _T (AV) @ T _{HS}		I _{TSM} (1)		V _{GT} (2) (V)	I _{GT} (2) (mA)	V _{TM} @ I _{TM}		dv/dt (4) (V/μs)	R _{thJ-HS} DC (°C/W)	Case Outline Number (15)	Notes	Case Style
			(A)	(°C)	50 Hz (A)	60 Hz (A)			(V)	(A)					
ST730C04L0 ST730C06L0 ST730C08L0 ST730C10L0 ST730C12L0 ST730C14L0 ST730C16L0 ST730C18L0	400 600 800 1000 1200 1400 1600 1800	2000	990	55	15000	15700	3.0	200	1.62	2000	500	0.031	T14	(12) (14) (16)	TO-200AC (B-PUK) 
ST780C02L0 ST780C04L0 ST780C06L0	200 400 600	2700	1350	55	20550	21500	3.0	200	1.31	3600	500	0.031			
ST1200C04K0 ST1200C06K0 ST1200C08K0 ST1200C10K0 ST1200C12K0 ST1200C14K0 ST1200C16K0 ST1200C18K0 ST1200C20K0	400 600 800 1000 1200 1400 1600 1800 2000	3080	1650	55	25700	26900	3.0	200	1.73	4000	500	0.021	T15	(12) (14) (16)	A-24 (K-PUK) 
ST1230C04K0 ST1230C06K0 ST1230C08K0 ST1230C10K0 ST1230C12K0 ST1230C14K0 ST1230C16K0	400 600 800 1000 1200 1400 1600	2310	1470	70	28000	29500	3.0	200	1.62	4000	500	0.021			
ST1280C02K0 ST1280C04K0 ST1280C06K0	200 400 600	2300	2300	55	35700	37400	3.0	200	1.44	8000	500	0.021			
ST1900C45R0 ST1900C46R0 ST1900C48R0 ST1900C50R0 ST1900C52R0	4500 4600 4800 5000 5200	3500	1625	80	22000	23500	4.0	400	2.10	2900	500	0.0115			
ST2100C35R0 ST2100C36R0 ST2100C38R0 ST2100C40R0 ST2100C42R0 ST2100C44R0 ST2100C45R0	3500 3600 3800 4000 4200 4400 4500	3850	1770	80	29000	30350	4.0	400	1.88	2900	500	0.0115	T16	(12) (14) (16)	A-36 (R-PUK) 
ST2600C20R0 ST2600C22R0 ST2600C24R0 ST2600C26R0 ST2600C28R0 ST2600C30R0	2000 2200 2400 2600 2800 3000	4800	2220	80	36800	38500	4.0	400	1.45	2900	500	0.0115			
ST3230C10R0 ST3230C12R0 ST3230C14R0 ST3230C16R0 ST3230C18R0	1000 1200 1400 1600 1800	5950	2785	80	49000	51300	4.0	400	1.30	2900	500	0.0115			

(1) @ T_j = T_j max. 125°C and 100% V_{RRM} reapplied (50% for ST1900, ST2100, and ST3230 series).

(2) T_j = 25°C.

(4) Linear to 0.8 V_{DRM}. T_j = 125°C.

(12) For faston terminals change last "0" to "1" in part number (e.g., ST730C04L1).

(14) DC operation, double sided cooled.

(15) For case outline drawing see page 0-2.

(16) V_{TM} measured at T_j = T_j max.