

Part Number	VRRM VDRM (V)	IT(RMS) (A)	IT(AV) @ THS		ITSM (1)		VGT (2) (V)	IGT (2) (mA)	VTM @ ITM		dv/dt (4) (V/μs)	RthJ-HS DC (°C/W)	Case Outline Number (15)	Notes	Case Style
			(A)	(°C)	50 Hz (A)	60 Hz (A)			(V)	(A)					
ST300C02C0 ST300C04C0 ST300C06C0 ST300C08C0 ST300C10C0 ST300C12C0 ST300C14C0 ST300C16C0 ST300C18C0 ST300C20C0	200 400 600 800 1000 1200 1400 1600 1800 2000	1290	650	55	6730	7040	3.0	200	2.18	1630	500	0.04	T13	(12) (14) (16)	TO-200AB (E-PUK)
ST330C02C0 ST330C04C0 ST330C06C0 ST330C08C0 ST330C10C0 ST330C12C0 ST330C14C0 ST330C16C0	200 400 600 800 1000 1200 1400 1600	1420	720	55	7570	7920	3.0	200	1.96	1800	500	0.04			
ST380C02C0 ST380C04C0 ST380C06C0	200 400 600	1900	960	55	12600	13200	3.0	200	1.60	3000	500	0.04			
ST380CH02C0 ST380CH04C0 ST380CH06C0	200 400 600	2220	960	80	10500	11000	3.0	200	1.58	2900	500	0.04			
ST300C02L0 ST300C04L0 ST300C06L0 ST300C08L0 ST300C10L0 ST300C12L0 ST300C14L0 ST300C16L0 ST300C18L0 ST300C20L0	200 400 600 800 1000 1200 1400 1600 1800 2000	1115	560	55	6730	7040	3.0	200	2.18	1635	500	0.05	T14	(12) (14) (16)	TO-200AC (B-PUK)
ST330C02L0 ST330C04L0 ST330C06L0 ST330C08L0 ST330C10L0 ST330C12L0 ST330C14L0 ST330C16L0	200 400 600 800 1000 1200 1400 1600	1230	650	55	7570	7925	3.0	200	1.90	1730	500	0.05			
ST700C04L0 ST700C06L0 ST700C08L0 ST700C10L0 ST700C12L0 ST700C14L0 ST700C16L0 ST700C18L0 ST700C20L0 ST700C22L0	400 600 800 1000 1200 1400 1600 1800 2000 2200	1857	910	55	13200	13800	3.0	200	1.80	2000	500	0.031			

C



(1) @ $T_j = T_j \text{ max. } 125^\circ\text{C}$ and 100% V_{RRM} reapplied.
 (2) $T_j = 25^\circ\text{C}$.
 (4) Linear to 0.8 V_{DRM} , $T_j = 125^\circ\text{C}$.
 (12) For faston terminals change last "0" to "1" in part number (e.g., ST300C02C1).
 (13) Max $T_j = 150^\circ\text{C}$.
 (14) DC operation, double sided cooled.
 (15) For case outline drawing see page 0-2.
 (16) V_{TM} measured at $T_j = T_j \text{ max.}$