


Part Number	V _{RRM} V _{DRM} (V)	I _T (RMS) (A)	I _T (AV) @ T _c		I _{TSM} (1)		V _{GT} (2) (V)	I _{GT} (2) (mA)	V _{TM} (3) (V)	dv/dt (4) (V/μs)	R _{thJC} DC (5) (°C/W)	Case Outline Number (8)	Notes	Case Style			
			(A)	(°C)	50 Hz (A)	60 Hz (A)											
S34B2A	200	1330	845		15330	16000			1.29			T15	(6) (13)	TO-200AC			
S34B2B	200	1195	760		14350	15000			1.38								
S34B4A	400	1330	845		15330	16000			1.29								
S34B4B	400	1195	760		14350	15000			1.38								
S34B6A	600	1195	760		14350	15000			1.38								
S34B6B	600	1115	710		13350	14000			1.46								
S34B8A	800	1195	760		14350	15000			1.38								
S34B8B	800	1115	710		13350	14000			1.46								
S34B10A	1000	1115	710	70	13350	14000	2.5	150	1.46	500	0.05						
S34B10B	1000	1050	670		12400	13000			1.54								
S34B12A	1200	1115	710		13350	14000			1.46								
S34B12B	1200	1050	670		12400	13000			1.54								
S34B14A	1400	1050	670		12400	13000			1.54								
S34B14B	1400	985	625		11000	11500			1.64								
S34B16A	1600	1050	670		12400	13000			1.54								
S34B16B	1600	985	625		11000	11500			1.64								
S34B18A	1800	985	625		11000	11500			1.64								
S34B20A	2000	985	625		11000	11500			1.64								
S38B2A	200	1820	1160		20550	21500			1.30						T16	(6) (13)	
S38B2B	200	1650	1050		19100	20000			1.40								
S38B4A	400	1820	1160		20550	21500			1.30								
S38B4B	400	1650	1050		19100	20000			1.40								
S38B6A	600	1650	1050		19100	20000			1.40								
S38B6B	600	1525	970		17650	18500			1.49								
S38B8A	800	1650	1050		19100	20000			1.40								
S38B8B	800	1525	970		17650	18500			1.49								
S38B10A	1000	1525	970	70	17650	18500	2.5	150	1.49	500	0.035						
S38B10B	1000	1430	910		16250	17000			1.59								
S38B12A	1200	1525	970		17650	18500			1.49								
S38B12B	1200	1430	910		16250	17000			1.59								
S38B14A	1400	1430	910		16250	17000			1.59								
S38B14B	1400	1350	855		14800	15500			1.67								
S38B16A	1600	1430	910		16250	17000			1.59								
S38B16B	1600	1350	855		14800	15500			1.67								
S38B18A	1800	1350	855		14800	15500			1.67								
S38B20A	2000	1350	855		14800	15500			1.67								
S52K2A	200	3000	1900		35700	37400			1.27			T16	(7) (13)	A-24			
S52K2B	200	2700	1720		32500	34000			1.35								
S52K4A	400	3000	1900		35700	37400			1.27								
S52K4B	400	2700	1720		32500	34000			1.35								
S52K6A	600	2700	1720		32500	34000			1.35								
S52K6B	600	2510	1600		30500	32000			1.44								
S52K8A	800	2700	1720		32500	34000			1.35								
S52K8B	800	2510	1600		30500	32000			1.44								
S52K10A	1000	2510	1600	70	30500	32000	2.5	200	1.44	500	0.023						
S52K10B	1000	2340	1490		28000	29500			1.53								
S52K12A	1200	2510	1600		30500	32000			1.44								
S52K12B	1200	2340	1490		28000	29500			1.53								
S52K14A	1400	2340	1490		28000	29500			1.53								
S52K14B	1400	2200	1400		25500	26900			1.60								
S52K16A	1600	2340	1490		28000	29500			1.53								
S52K16B	1600	2200	1400		25500	26900			1.60								
S52K18A	1800	2200	1400		25500	26900			1.60								
S52K20A	2000	2200	1400		25500	26900			1.60								
S77R10A	1000	5450	3470		63500	66500			1.39						T17	(7) (13)	A-36
S77R10B	1000	5100	3250		58500	61750			1.47								
S77R12A	1200	5450	3470		63500	66500			1.39								
S77R12B	1200	5100	3250		58500	61750			1.47								
S77R14A	1400	5100	3250	70	58500	61750	2.5	250	1.47	500	0.011						
S77R14B	1400	4800	3060		53500	56000			1.54								
S77R16A	1600	5100	3250		58500	61750			1.47								
S77R16B	1600	4800	3060		53500	56000			1.54								
S77R18A	1800	4800	3060		53500	56000			1.54								
S77R20A	2000	4800	3060		53500	56000			1.54								

(1) 100% V_{RRM} reapplied T_j = 125°C.
 (2) T_j = 25°C.
 (3) π × I_T(AV) @ T_j = 25°C.
 (4) Linear to 0.8 V_{DRM}; T_j = 125°C.
 (5) Double side cooled

(6) Max. T_j = 125°C for standard types; High temperature types available with max. T_j = 150°C for V_{RRM} <= 1200V. To specify insert "H" before voltage code: S34BH2A.
 (7) Max. T_j = 125°C.
 (8) For case outline drawing see page 154.

(13) U.S. Standard.