




Thyristors

Inverter Type

715-2060 Amps RMS

International
IOR Rectifier

Part Number	VRRM VDRM (V)	IT(RMS) (A)	IT(AV) Tc		ITSM(1)		VGT (2) (V)	IGT (2) (mA)	VTM (3) (V)	tq (5) (μ s)	RthJC DC (7) ($^{\circ}$ C/W)	Case Outline Number (10)	Notes	Case Style
			(A)	($^{\circ}$ C)	50 Hz (A)	60 Hz (A)								
S34BF2A	200	935	595	70	11000	11400	2.5	150	1.72	8	0.050	T15	(8) (13)	TO-200AC 
S34BF2B	200	935	595		11000	11400			1.72	10				
S34BF4A	400	935	595		11000	11400			1.72	8				
S34BF4B	400	935	595		11000	11400			1.72	10				
S34BF6A	600	825	525		9350	9800			2.02	12				
S34BF6B	600	825	525		9350	9800			2.02	15				
S34BF8A	800	825	525		9350	9800			2.02	12				
S34BF8B	800	825	525		9350	9800			2.02	15				
S34BF10A	1000	715	455		8600	9000			2.19	16				
S34BF10B	1000	715	455		8600	9000			2.19	20				
S34BF12A	1200	715	455		8600	9000			2.19	16				
S34BF12B	1200	715	455		8600	9000			2.19	20				
S34BF14A	1400	740	470		8600	9000			2.16	30				
S34BF14B	1400	740	470		8600	9000			2.16	40				
S34BF16A	1600	740	470		8600	9000			2.16	30				
S34BF16B	1600	740	470		8600	9000			2.16	40				
S38BF2B	200	1290	820	70	15000	16000	2.5	150	1.76	10	0.035	T15	(8) (13)	TO-200AC 
S38BF4B	400	1290	820		15000	16000			1.76	10				
S38BF6B	600	1140	725		13500	14000			2.08	15				
S38BF8B	800	1140	725		13500	14000			2.08	15				
S38BF10B	1000	980	625		12000	12500			2.25	20				
S38BF12B	1200	980	625		12000	12500			2.25	20				
S38BF14B	1400	1015	645		12000	12500			2.25	40				
S38BF16B	1600	1015	645		12000	12500			2.25	40				
S38BF18B	1800	930	590		10500	11000			2.30	60				
S38BF20B	2000	930	590		10500	11000			2.30	60				
S52KF2B	200	2060	1310	70	26500	27500	2.5	200	1.72	10	0.023	T16	(9) (13)	A-24 
S52KF4B	400	2060	1310		26500	27500			1.72	10				
S52KF6B	600	1820	1160		22500	23500			2.03	15				
S52KF8B	800	1820	1160		22500	23500			2.03	15				
S52KF10B	1000	1590	1010		21500	22500			2.20	20				
S52KF12B	1200	1590	1010		21500	22500			2.20	20				
S52KF14B	1400	1640	1040		21000	22000			2.18	40				
S52KF16B	1600	1640	1040		21000	22000			2.18	40				
S52KF18B	1800	1500	960		19000	20000			2.25	60				
S52KF20B	2000	1500	960		19000	20000			2.25	60				

(1) 100% VRRM reapplied @ $T_j = T_j \text{ max. } 125^{\circ}\text{C}$.

(2) $T_j = 25^{\circ}\text{C}$.

(3) $\pi \times I_T(\text{AV})$, $T_j = 25^{\circ}\text{C}$.

(4) t_q : $T_j = \text{max rated}$, reapplied $dV/dt = 20 \text{ V}/\mu\text{s}$.

(5) t_q : $T_j = \text{max rated}$, reapplied $dV/dt = 200 \text{ V}/\mu\text{s}$.

(7) Double side cooled.

(8) Max. $T_j = 125^{\circ}\text{C}$ for standard types: High temperature types available with max $T_j = 140^{\circ}\text{C}$ for $V_{RRM} \leq 1200 \text{ V}$. To specify insert "H" before voltage code: S34BFH2B0 (B types only).

(9) Max. $T_j = 125^{\circ}\text{C}$.

(10) For case outline drawing see page 154.

(13) U.S. Standard.