

**MEDIUM POWER THYRISTORS & TRIACS < 100 A**

## SNUBBERLESS TRIACS

Type	$V_{DRM} \pm$	$I_{TSM}$	$I_{DRM}$ @ $V_{DRM}$ @ $T_j$ max max (mA)	Suffix	$I_{GT}$ (mA) max				$I_H$ max (mA)	$V_{TM} / I_{TM}$		$(di/dt)_C$ without snubber @ $T_j$ max min (A/ms)	$dv/dt$ @ 67% $V_{DRM}$ @ $T_j$ max min (V/ $\mu$ s)	Package
					I	II	III	IV		max (V)	(A)			
See NOTE	(V)	(A)			++	+-	--	-+		max	max			

**6 Arms /  $T_{case} = 95^\circ C$   $T_j = 125^\circ C$   $I^2t = 18 A^2s$** 

BTA 06-200	200			AW	75	75	75		75			8	750	TO 220 AB
BTA 06-400	400			BW	50	50	50		50	1.75	8.5	5	500	
BTA 06-600	600	60	2	CW	35	35	35		35			3.5	250	
BTA 06-700	700													
BTA 06-800	800													

**6 Arms /  $T_{case} = 100^\circ C$   $T_j = 125^\circ C$   $I^2t = 18 A^2s$** 

BTB 06-200	200			AW	75	75	75		75			8	750	TO 220 AB
BTB 06-400	400			BW	50	50	50		50	1.75	8.5	5	500	
BTB 06-600	600	60	2	CW	35	35	35		35			3.5	250	
BTB 06-700	700													
BTB 06-800	800													

**8 Arms /  $T_{case} = 90^\circ C$   $T_j = 125^\circ C$   $I^2t = 32 A^2s$** 

BTA 08-200	200			AW	75	75	75		75			10	750	TO 220 AB
BTA 08-400	400			BW	50	50	50		50	1.75	11	7	500	
BTA 08-600	600	80	2	CW	35	35	35		35			4.5	250	
BTA 08-700	700													
BTA 08-800	800													

**8 Arms /  $T_{case} = 95^\circ C$   $T_j = 125^\circ C$   $I^2t = 32 A^2s$** 

BTB 08-200	200			AW	75	75	75		75			10	750	TO 220 AB
BTB 08-400	400			BW	50	50	50		50	1.75	11	7	500	
BTB 08-600	600	80	2	CW	35	35	35		35			4.5	250	
BTB 08-700	700													
BTB 08-800	800													

**10 Arms /  $T_{case} = 90^\circ C$   $T_j = 125^\circ C$   $I^2t = 50 A^2s$** 

BTA 10-200	200			AW	75	75	75		75			12	750	TO 220 AB
BTA 10-400	400			BW	50	50	50		50	1.65	14	9	500	
BTA 10-600	600	100	2	CW	35	35	35		35			5.5	250	
BTA 10-700	700													
BTA 10-800	800													

**10 Arms /  $T_{case} = 100^\circ C$   $T_j = 125^\circ C$   $I^2t = 50 A^2s$** 

BTB 10-200	200			AW	75	75	75		75			12	750	TO 220 AB
BTB 10-400	400			BW	50	50	50		50	1.65	14	9	500	
BTB 10-600	600	100	2	CW	35	35	35		35			5.5	250	
BTB 10-700	700													
BTB 10-800	800													

**12 Arms /  $T_{case} = 85^\circ C$   $T_j = 125^\circ C$   $I^2t = 72 A^2s$** 

BTA 12-200	200			AW	75	75	75		75			16	750	TO 220 AB
BTA 12-400	400			BW	50	50	50		50	1.6	17	12	500	
BTA 12-600	600	120	2	CW	35	35	35		35			6.5	250	
BTA 12-700	700													
BTA 12-800	800													

**12 Arms /  $T_{case} = 90^\circ C$   $T_j = 125^\circ C$   $I^2t = 72 A^2s$** 

BTB 12-200	200			AW	75	75	75		75			16	750	TO 220 AB
BTB 12-400	400			BW	50	50	50		50	1.6	17	12	500	
BTB 12-600	600	120	2	CW	35	35	35		35			6.5	250	
BTB 12-700	700													
BTB 12-800	800													

**NOTE : BTA insulated (insulating voltage = 2500 V<sub>RMS</sub>).  
BTB uninsulated.**