

MEDIUM POWER THYRISTORS & TRIACS < 100 A

SNUBBERLESS TRIACS (Continued)

Type See NOTE	V_{DRM} $\pm$ (V)	I_{TSM} (A)	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/ μ s)	Package
					I	II	III	IV		max (V)	(A)			
					++	+-	--	-+						

16 Arms / $T_{case} = 80^\circ C$ $T_j = 125^\circ C$ $I^2t = 112 A^2s$

BTA 16-200	200			AW	75	75	75		75			21	750	TO 220 AB
BTA 16-400	400			BW	50	50	50		50	1.5	22.5	14	500	
BTA 16-600	600	150	2	CW	35	35	35		35			8.5	250	
BTA 16-700	700													
BTA 16-800	800													

16 Arms / $T_{case} = 90^\circ C$ $T_j = 125^\circ C$ $I^2t = 112 A^2s$

BTB 16-200	200			AW	75	75	75		75			21	750	TO 220 AB
BTB 16-400	400			BW	50	50	50		50	1.5	22.5	14	500	
BTB 16-600	600	150	2	CW	35	35	35		35			8.5	250	
BTB 16-700	700													
BTB 16-800	800													

NOTE: BTA insulated (insulating voltage = 2500 V_{RMS}).
BTB uninsulated.

PLASTIC CASE SENSITIVE GATE TRIACS

Type See NOTE	V_{DRM} $\pm$ (V)	I_{TSM} (A)	I_{DRM}^* @ V_{DRM} max (mA)	Suffix	I_{GT} (mA) max				I_H max (mA)	V_{TM} / I_{TM}		$(dv/dt)_C^*$ typ (V/ μ s)	dv/dt^* @ 67% V_{DRM} typ (V/ μ s)	Package
					I	II	III	IV		max (V)	(A)			
					++	+-	--	-+						

1 Arms / $T_{connex.} = 40^\circ C$ $T_j = 110^\circ C$

TLC 111 T,D,S,A	200			T	5	5	5	5	15			1	10	TL
TLC 221 T,D,S,A	400	15	0.75	D	5	5	5	10	15	1.8	1.4	1	10	
TLC 331 T,D,S,A	600			S	10	10	10	10	25			5	20	
TLC 381 T,D,S,A	700			A	10	10	10	25	25			5	20	

3 Arms / $T_{connex.} = 40^\circ C$ $T_j = 110^\circ C$

TLC 116 T,D,S,A	200			T	5	5	5	5	15			1	10	TL
TLC 226 T,D,S,A	400	30	0.75	D	5	5	5	10	15	1.85	4	1	10	
TLC 336 T,D,S,A	600			S	10	10	10	10	25			5	20	
TLC 386 T,D,S,A	700			A	10	10	10	25	25			5	20	

4 Arms / $T_{case} = 75^\circ C$ $T_j = 110^\circ C$

BTA / BTB 04	200→800	50	0.75	T	5	5	5	5	15	1.65	5.5	1	10	TO 220 AB
				D	5	5	5	10	15				10	
				S	10	10	10	10	25				10 min	
				A	10	10	10	25	25				10 min	

6 Arms / $T_{case} = 75^\circ C$ $T_j = 110^\circ C$

BTA / BTB 06	200→800	60	0.75	T	5	5	5	5	15	1.65	8.5	1	10	TO 220 AB
				D	5	5	5	10	15				10	
				S	10	10	10	10	25				10 min	
				A	10	10	10	25	25				10 min	

8 Arms / $T_{case} = 75^\circ C$ $T_j = 110^\circ C$

BTA / BTB 08	200→800	80	0.5	S	10	10	10	10	25	1.75	11	1	10 min	TO 220 AB
				A	10	10	10	25						

* @ $T_j = 110^\circ C$. NOTE: BTA insulated (insulating voltage = 2500 V_{RMS}). BTB uninsulated.
 V_{DRM} : 200 · 400 · 600 · 700 · 800 V.
ORDERING INFORMATION - EXAMPLE: BTA 04-400 T.