

MEDIUM POWER THYRISTORS & TRIACS < 100 A

SNUBBERLESS TRIACS (Continued)

Type	V _{DRM} ±	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/μs)	Package
					I	II	III	IV		max (V)	(A)			
See NOTE	(V)	(A)			++	+-	--	-+						

16 Arms / T_{case} = 80°C T_j = 125°C I²t = 112 A²s

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

16 Arms / T_{case} = 90°C T_j = 125°C I²t = 112 A²s

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

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

PLASTIC CASE SENSITIVE GATE TRIACS

Type	V _{DRM} ±	I _{TSM}	I _{DRM} * @ V _{DRM} max (mA)	Suffix	I _{GT} (mA) max				I _H max (mA)	V _{TM} / I _{TM}		(dv/dt) _C * typ (V/μs)	dv/dt* @ 67% V _{DRM} typ (V/μs)	Package
					I	II	III	IV		max (V)	(A)			
See NOTE	(V)	(A)			++	+-	--	-+						

1 Arms / T_{connex.} = 40°C T_j = 110°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°C T_j = 110°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°C T_j = 110°C

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

6 Arms / T_{case} = 75°C T_j = 110°C

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

8 Arms / T_{case} = 75°C T_j = 110°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	25			1	10 min	

* @ T_j = 110°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.