

MEDIUM POWER THYRISTORS & TRIACS < 100 A

«ALTERNISTORS» - BIDIRECTIONAL DEVICES FOR REACTIVE CIRCUITS
AND FREQUENCIES UP TO 400 Hz

Type	V _{DRM} ± (V)	I _{TSM} (A)	I _{DRM} * @ V _{DRM} max (mA)	I _{GT} (mA) max				I _H typ (mA)	V _{TM} / I _{TM}		(di/dt) _C * @ (dv/dt) _C min (A/ms)	dv/dt* @ 67% V _{DRM} min (V/μs)	Package	
				I ++	II +-	III --	IV -+		max (V)	(A)				
8 Arms / T _{case} = 75°C T _j = 110°C I ² t = 40 A ² s											200 V/μs	10 V/μs		
TXDV 208 TXDV 408 TXDV 608 TXDV 808	200 400 600 800	80	2	100	100	100		100 max	1.8	11	7	28	500	TO 220 AB
12 Arms / T _{case} = 75°C T _j = 110°C I ² t = 40 A ² s											200 V/μs	10 V/μs		
TXDV 212 TXDV 412 TXDV 612 TXDV 812	200 400 600 800	120	2	100	100	100		100 max	1.95	17	10	42.5	500	TO 220 AB
25 Arms / T _{case} = 75°C T _j = 125°C I ² t = 265 A ² s											200 V/μs	10 V/μs		
TPDV 125 TPDV 225 TPDV 425 TPDV 625 TPDV 825 TPDV 1025 TPDV 1225	100 200 400 600 800 1000 1200	230	8	150	150	150		50	1.8	35	20	88	500 (1) 250 (2)	TOP 3
25 Arms / T _{case} = 80°C T _j = 125°C I ² t = 265 A ² s											200 V/μs	10 V/μs		
TODV 125 TODV 225 TODV 425 TODV 625 TODV 825 TODV 1025 TODV 1225	100 200 400 600 800 1000 1200	230	8	150	150	150		50	1.8	35	20	88	500 (1) 250 (2)	RD 91
40 Arms / T _{case} = 75°C T _j = 125°C I ² t = 610 A ² s											200 V/μs	10 V/μs		
TODV 140 TODV 240 TODV 440 TODV 640 TODV 840 TODV 1040 TODV 1240	100 200 400 600 800 1000 1200	350	8	200	200	200		50	1.8	60	35	142	500 (1) 250 (2)	RD 91
40 Arms / T _{case} = 75°C T _j = 125°C I ² t = 610 A ² s											200 V/μs	10 V/μs		
TPDV 140 TPDV 240 TPDV 440 TPDV 640 TPDV 840 TPDV 1040 TPDV 1240	100 200 400 600 800 1000 1200	350	8	200	200	200		50	1.8	60	35	142	500 (1) 250 (2)	TOP 3
60 Arms / T _{case} = 75°C T _j = 125°C I ² t = 1250 A ² s											200 V/μs	10 V/μs		
TGDV 601 TGDV 602 TGDV 604 TGDV 606 TGDV 608 TGDV 610 TGDV 612	100 200 400 600 800 1000 1200	500	5**	200	200	200		50	2	85	50	213	500 (1) 250 (2)	TO 65***
* @ T _j max. (1) V _{DRM} ≤ 800 V. *** 1/4"-28 UNF. ** @ T _j = 100°C. (2) V _{DRM} ≥ 1000 V.														