

DIACS

“ALTERNISTORS” -BIDIRECTIONAL DEVICES FOR REACTIVE CIRCUITS AND FREQUENCIES UP TO 400 Hz

Type (See Note)	V _{DRM} ±	I _{TSM}	I _{DRM} * @ V _{DRM} max (mA)	I _{GT} (mA) max			I _H typ (mA)	V _{TM} @ I _{TM}		(di/dt) _c * @ (dv/dt) _c		dv/dt* @ 67% V _{DRM} min (V/μs)	Package
	(V)	(A)	max	I	II	III		max (V)	(A)	min (A/ms)			
				++	+-	--							
8 Arms/T _{case} = 90°C T _j = 125°C I ² t = 32 A ² s										200 V/μs	10 V/μs		
TXDV 408 → 608	400 → 800	80	2	100	100	100	100 max	1.8	11	7	28	500	TO220AB
12 Arms/T _{case} = 90°C T _j = 125°C I ² t = 72 A ² s										200 V/μs	10 V/μs		
TXDV 412 → 812	400 → 800	120	2	100	100	100	100 max	1.95	17	10	42.5	500	TO220AB
25 Arms/T _{case} = 85°C T _j = 125°C I ² t = 265 A ² s										200 V/μs	10 V/μs		
TPDV 625 → 1225	600 → 1200	230	8	150	150	150	50	1.8	35	20	88	500	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 625 → 1225	600 → 1200	230	8	150	150	150	50	1.8	35	20	88	500	RD 91
40 Arms/T _{case} = 75°C T _j = 110°C I ² t = 610 A ² s										200 V/μs	10 V/μs		
TODV 640 → 1240	600 → 1200	350	8	200	200	200	50	1.8	60	35	142	500	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 640 → 1240	600 → 1200	350	8	200	200	200	50	1.8	60	35	142	500	TOP 3

* @ T_j max.

** @ $T_j = 100^\circ C$.

TRIGGER DIODES

Type	Breakover voltage (V)			Breakover voltage symmetry ΔV max. (V)	Breakover current I_{BO} max. (μ A)	ΔV between 0 and 10 mA min. (V)	Package
	min	nom	max				
DB 3 DB 4	28 35	32 40	36 45	± 3 ± 3	100 100	5 5	DO 35
DC 34	30	34	38	± 3	50	5	DO 35
TMM DB 3	28	32	36	± 3	100	5	MINIMELF
DB3TG	30	32	34	± 2	15	5	DO 35
TMM DB 3TG	30	32	34	± 2	15	5	MINIMELF