

DIACS

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

Type (See Note)	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 --		max (V)	(A)				
8 A_{RMS}/T_{case} = 90°C T_j = 125°C I²t = 32 A²s										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 A_{RMS}/T_{case} = 90°C T_j = 125°C I²t = 72 A²s										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 A_{RMS}/T_{case} = 85°C T_j = 125°C I²t = 265 A²s										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 A_{RMS}/T_{case} = 80°C T_j = 125°C I²t = 265 A²s										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 A_{RMS}/T_{case} = 75°C T_j = 110°C I²t = 610 A²s										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 A_{RMS}/T_{case} = 75°C T_j = 125°C I²t = 610 A²s										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°C.

TRIGGER DIODES

Type	Breakover voltage (V)			Breakover voltage symmetry ΔV max. (V)	Breakover current I _{BO} max. (μA)	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