

AUTOMOTIVE TRANSIENT SUPPRESSORS
IGNITION PROTECTION

Type	I_{RM} @ V_{RM}		V_{BR}^* (V) @ $T_j = 25^\circ\text{C}$		V_{BR} (V) @ $T_j = 120^\circ\text{C}$		I_R (mA)	αT max ($10^{-4}/^\circ\text{C}$)	I_{ZM} (mA)	Package
	max (μA)	(V)	min	max	min	max				
PL 360 D	0.35	270	330	370	358	416	2	11	3.5	 F 126 Plastic

* Pulse test $t_p \leq 50 \text{ ms}$ $\delta < 2\%$
DECENTRALIZED PROTECTION

Type	I_{RM} @ V_{RM}			V_{BR}^* @ I_R $T_c = 25^\circ\text{C}$ LOAD DUMP			V_{CL} @ I_{PP} $T_c = 25^\circ\text{C}$		αT max ($10^{-4}/^\circ\text{C}$)	C $V_R = 0\text{V}$ $F = 1\text{MHz}$ Typ (nF)	Package
	max $T_c = 25^\circ\text{C}$ (μA)	$T_c = 85^\circ\text{C}$ (μA)	(V)	min (V)	max (V)	(mA)	max (V)	(A)			
LDP24AS	50	300	24	25	32	1	38	40	9.6	8	AG SOP10 (PowerSO-10) TO-220AB (Plastic) TO-220AB SOP10 (PowerSO-10)
▲ LDP24M	50	300	24	25	32	1	38	30		8	
RBO08-40T	10	100	20	24	32	1	40	15		2	
RBO40-40T	10	100	20	24	32	1	40	20		7	
▲ RBO40-40M	10	100	20	24	32	1	40	20		8	

DIODE ARRAY I/O BUS PROTECTION	V_{RRM} (V)	I_{FP} $T_a = 25^\circ\text{C}$ 8/20 μs (A)	P_{tot} $T_a = 25^\circ\text{C}$ (W)	I_R @ $V_R = 12\text{V}$		V_F max (V)	@ I_F (mA)	V_{FP} max (V)	@ I_{PP} 8/20 μs (A)	Package
				max $T_a = 25^\circ\text{C}$ (μA)	$T_a = 70^\circ\text{C}$ (μA)					
DA106C1	25	12	0.75	2	50	1.2	50	9	12	SO8
DA106A1	25	12	0.75	2	50	1.2	50	9	12	SO8
DA108S1	18	12	0.73	2	—	1.2	50	9	12	SO8
DA112S1	18	12	0.73	2	—	1.2	50	9	12	SO8

▲ New Product.

* Pulse test $t_p \leq 50 \text{ ms}$ $\delta < 2\%$

† T = 1ms