


PROTECTION CIRCUITS

AUTOMOTIVE TRANSIENT SUPPRESSORS IGNITION PROTECTION

Type	I _{RM} @ V _{RM} max		V _{BR} * (V) @ T _j = 25°C		V _{BR} (V) @ T _j = 120°C		I _R	αT max	I _{zM}	Package
Unidirectional	(μA)	(V)	min	max	min	max	(mA)	(10 ⁻⁴ /°C)	(mA)	
PL 360 D	0.35	270	330	370	358	416	2	11	3.5	 F 126 Plastic

* Pulse test t_p ≤ 50 ms δ < 2%

DECENTRALIZED PROTECTION

Type	I _{RM} @ V _{RM} max			V _{BR} * @ T _c = 25°C LOAD DUMP			V _{CL} @ I _{PP} T _c = 25°C		αT	C V _R = 0V F = 1MHz	Package
Unidirectional	T _c = 25°C (μA)	T _c = 85°C (μA)	(V)	min (V)	max (V)	(mA)	max (V)	(A)	max (10 ⁻⁴ /°C)	Typ (nF)	
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°C 8/20μs (A)	P _{tot} T _a = 25°C (W)	I _R @ V _R = 12V max		V _F @ I _F max		V _{FP} @ I _{PP} max		Package
				T _a = 25°C (μA)	T _a = 70°C (μA)	(V)	(mA)	(V)	(A)	
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 ≤ 50 ms δ < 2%

† T = 1ms