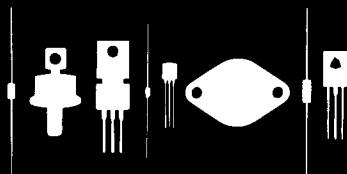


145 Adams Avenue
Hauppauge, New York 11788
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1N6373 THRU 1N6381
1.5KW TRANSIENT SUPPRESSOR

EPOXY MOLDED AXIAL LEAD CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N6373 Series types are Epoxy Molded Axial Lead Transient Suppressors designed to protect voltage sensitive components from high voltage transients. These highly reliable devices can withstand a peak pulse power surge of 1500 watts for 1.0ms.

MAXIMUM RATINGS ($T_L=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL	UNIT
Peak Power Dissipation (1.0ms)	P_{DM}	1500 W
Steady State Power Dissipation ($T_L=75^{\circ}\text{C}$, L.L.=3/8")	P_D	5.0 W
Forward Surge Current	I_{FSM}	200 A
Operating and Storage	T_J, T_{stg}	-65 TO $+175^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

TYPE NO.	V_{BR} @ I_T MIN (V)	I_T (mA)	V_{RWM} MAX (V)	I_R MAX @ V_{RWM} (μA)	I_{RSM} MAX (A)	V_{RSM} MAX @ I_{RSM} (V)	V_C MAX @ $I_{PP}=1.0\text{A}$ (V)	V_C MAX @ $I_{PP}=10\text{A}$ (V)
1N6373	6.0	1.0	5.0	300	160	9.4	7.1	7.5
1N6374	9.4	1.0	8.0	25	100	15	11.3	11.5
1N6375	11.7	1.0	10	2.0	90	16.7	13.7	14.1
1N6376	14.1	1.0	12	2.0	70	21.2	16.1	16.5
1N6377	17.6	1.0	15	2.0	60	25	20.1	20.6
1N6378	21.2	1.0	18	2.0	50	30	24.2	25.2
1N6379	25.9	1.0	22	2.0	40	37.5	29.8	32.0
1N6380	42.4	1.0	36	2.0	23	65.2	50.6	54.3
1N6381	52.9	1.0	45	2.0	19	78.9	63.3	70.0

V_f @ 100A (PEAK, 8.3ms SINEWAVE)=3.5V MAX.

BIPOLAR DEVICES ARE AVAILABLE, CONTACT FACTORY FOR INFO.

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