

# SIDAC (SILICON DIODE FOR ALTERNATING CURRENT)

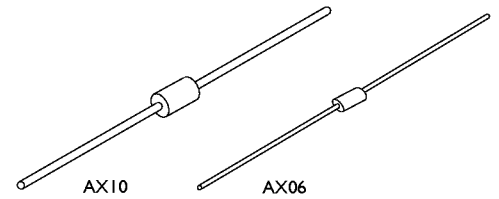
## Sidac

### Features

1. Symmetrical characteristics.
2. Directly switching performance to commercial power sources and generating pulse by simple circuit.
3. The glass passivation ensures high reliability.

### Application

1. Pulse generating (gas igniters, high voltage sodium lamp drive circuit etc.)
2. AC switching (drive circuit for switching power supplies, voltage detecting circuits etc.)
3. Over voltage protecting (AC line surge protection, capacitors Over voltage protection etc.)



Type No.	Color Code	Absolute Maximum Ratings								Electrical Characteristics										Outline	
		V <sub>BRM</sub> [V]	I <sub>T</sub> [A]	Conditions T <sub>J</sub> [°C]	I <sub>FSM</sub> [A]	I <sub>TRM</sub> [A]	Conditions f [kHz]	df/dt [A/μs]	T <sub>stg</sub> [°C]	T <sub>J</sub> [°C]	V <sub>BO</sub> [V]	I <sub>DM</sub> (max) [μA]	Conditions V <sub>D</sub> [V]	I <sub>BO</sub> (max) [mA]	I <sub>H</sub> (typ) [mA]	V <sub>T</sub> (max) [V]	Conditions I <sub>T</sub> [A]	R <sub>s</sub> (min) [kΩ]	O <sub>J</sub> (max) [°C/W]	Package	Figure
K1V5	Red	40	1	107	13	25	1	80	-40~125	125	45~60	10	40	0.5	50	1.5	1	0.1	15	AX10	6
6	Gold										55~65										
K1V8	Silver	70	1	107	20	25	1	80	-40~125	125	77~95	10	70	0.5	50	1.5	1	0.1	15		
K1V10	Orange	90	1	112	20	25	1	80	-40~125	125	95~113	10	90	0.5	50	1.5	1	0.1	15		
11	Blue										104~118										
12	Green										110~125										
K1V14	Violet	115	1	109	20	25	1	80	-40~125	125	125~150	10	115	0.5	30	1.5	1	0.1	15		
16											145~170										
K1V18	Violet	150	1	108	20	25	1	80	-40~125	125	165~200	10	150	0.5	50	1.5	1	0.1	15		
K1V22	Yellow	180	1	108	20	25	1	80	-40~125	125	200~230	10	180	0.5	20	1.5	1	0.1	15		
24											220~250										
26											240~270										
22(W)											200~230										
24(W)	Yellow	180	1	91	16	17	1	80	-40~125	125	220~250	10	180	0.5	50	3	1	0.1	15	AX10	7
26(W)											240~265										
K1V33(W)	Blue	270	1	92	13	15	1	50	-40~125	125	309~355	10	270	0.5	50	3	1	0.1	15	AX10	6
34(W)											320~360										
36(W)											340~380										
38(W)											360~400										
K1V(A)10	Orange	90	1	98	16	15	1	50	-40~125	125	95~113	10	90	0.5	50	1.6	1	0.1	20	AX06	2
(A)11	Blue										104~118										
(A)12	Green										110~125										
(A)14	Violet										115										
(A)16		145~170																			