

SIDAC (SILICON DIODE FOR ALTERNATING CURRENT)

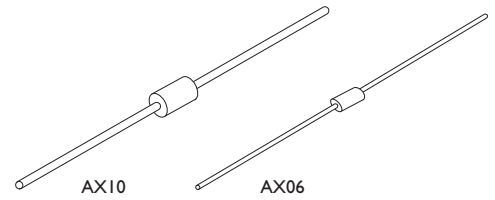
Sidac

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 _{DRM} [V]	I _T [A]	Conditions T _I [°C]	I _{TSM} [A]	I _{TRM} [A]	Conditions f [kHz]	diT/dt [A/μs]	T _{stg} [°C]	T _j [°C]	V _{BO} [V]	I _{DRM} (max) [μA]	Conditions V _D [V]	I _{BO} (max) [mA]	I _H (typ) [mA]	V _T (max) [V]	Conditions I _T [A]	R _s (min) [kΩ]	θ _J (max) [°C/W]	Package	Figure		
KIV5 6	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		
	Gold										55~65												
KIV8	Silver	70	1	107	20	25	1	80	-40~125	125	77~95	10	70	0.5	50	1.5	1	0.1	15				
KIV10 11 12	Orange	90	1	112	20	25	1	80	-40~125	125	95~113	10	90	0.5	50	1.5	1	0.1	15				
	Blue										104~118												
	Green										110~125												
KIV14 16	Violet	115	1	109	20	25	1	80	-40~125	125	125~150	10	115	0.5	30	1.5	1	0.1	15				
											145~170												
KIV18	Violet	150	1	108	20	25	1	80	-40~125	125	165~200	10	150	0.5	50	1.5	1	0.1	15				
KIV22 24 26 22(W)	Yellow	180	1	108	20	25	1	80	-40~125	125	200~230	10	180	0.5	20	1.5	1	0.1	15				
											220~250												
											240~270												
											200~230												
24(W) 26(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		
											240~265												
											309~355												
KIV33(W) 34(W) 36(W) 38(W)	Blue	270	1	92	13	15	1	50	-40~125	125	320~360	10	270	0.5	50	3	1	0.1	15	AX10	6		
											340~380									7			
											360~400												
											95~113												
KIV(A)10 (A)11 (A)12 (A)14 (A)16	Orange	90	1	98	16	15	1	50	-40~125	125	104~118	10	90	0.5	50	1.6	1	0.1	20	AX06	2		
	Blue										110~125												
	Green										125~150												
	Violet										145~170												