

SIDAC (SILICON DIODE FOR ALTERNATING CURRENT)

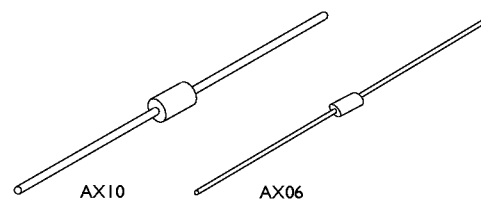
Sidac

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}	I _T	Conditions T _J	I _{TSM}	I _{TRM}	Conditions f	diT/dt	T _{stg}	T _J	V _{BO}	I _{DRM} (max)	Conditions V _D	I _{BO} (max)	I _H (typ)	V _T (max)	Conditions I _T	R _s (min)	θ _J (max)	Package	Figure		
		[V]	[A]	[°C]	[A]	[A]	[kHz]	[A/μs]	[°C]	[°C]	[V]	[μA]	[V]	[mA]	[mA]	[V]	[A]	[kΩ]	[°C/W]				
KIV5	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												
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	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												
KIV14	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	Violet	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	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												
KIV33(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										7		
KIV(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		1	98	16	15	1	50	-40~125	125	125~150	10	115	0.5	50	1.6	1	0.1	20				
(A)16											145~170												