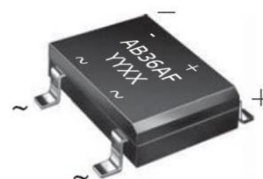


Feature

- Ultra Low VF Schottky Bridge Rectifier
- Ultra Low IR at high temperature
- Very small SMD package : ABS(5.0mmX4.4mmX1.3mm)

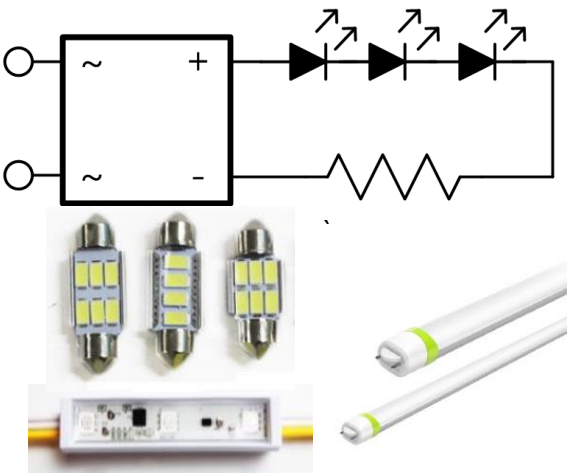
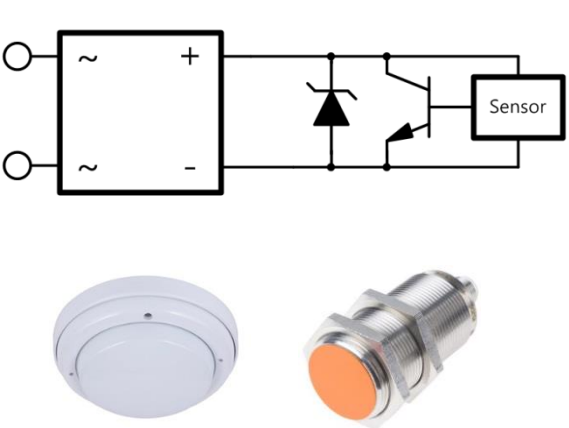


Comparison Table

Characteristics		AD36AF	TX360ILS	CX-HD2006	LB26S	2KMD60S
Package		ABS	MICRO DIP	Z4	ABS	MDS
Typ. Forward Voltage @ IF = 2A, Tj = 25°C		0.45V	0.54V	0.60V	0.60V	0.70V
Typ. Reverse Current @ VR = 60V	Tj=25°C	6uA	35uA	25uA	20uA	40uA
	Tj=125°C	4mA	20mA	80mA*	40mA	50mA*
Dimension (mm)	Length	5.0	5.0	4.7	5.0	4.7
	Width	4.4	4.4	6.1	4.6	3.8
	Height	1.3	1.3	1.1	1.4	2.5
Power-Consumption(%) @ Same Package Size		41%	49%	61%	72%	100%

* : Estimated Value

Application

Non-Polarity LED Lighting, Automotive LED Module	Temperature, Proximity Sensor Module Battery Application
	

[AD36AF Datasheet](#), [APSemi Catalogue](#)

Diode Line-up

Ultra Low VF Schottky Diode

Part No	Die	VR [V]	ID [A]	VF, max [V] @ 25°C	VF, typ [V] @ 125°C	IR, max [uA] @ Full VR	IFSM [A]	Package
AD360	1	60	3	0.48	0.35	25	60	SMAF
AD560	1	60	5	0.48	0.35	25	60	DO201
AD5100	1	100		0.58	0.49	40	150	SMAF
AD5150	1	150		0.66	0.5	40	150	SMAF
AD5200	1	200		0.7	0.53	40	150	SMAF
AD5U300	1	300		0.71	0.68	50	150	TO252
AD10U60	1	60	10	0.55	0.42	40	150	TO252
AD10U100	1	100		0.54	0.39	50	150	TO251 / TO252
AD10U150	1	150		0.7	0.5	40	150	TO252
AD10U200	1	200		0.8	0.53	40	150	TO252
AD10D100	2	100		0.6	0.48	40	150	TO220F
AD10D150	2	150		0.7	0.5	40	150	TO220F
AD10D200	2	200		0.74	0.5	40	150	TO220F
AD10D300	2	300		0.74	0.55	50	150	TO220F
AD10S100	1	100		0.54	0.39	40	150	TO220F
AD10S200	1	200		0.82	0.67	50	150	TO220F
AD15U200	1	200	15	0.74	0.52	50	150	TO252
AD15S200	1	200		0.74	0.55	40	150	TO220F
AD20D60	2	60	20	0.6	0.42	40	200	TO220F
AD20D100	2	100		0.49	0.4	40	200	TO220F
AD20D150	2	150		0.75	0.5	40	250	TO220F
AD20D200	2	200		0.85	0.6	40	250	TO220F
AD20D300	2	300		TBD				TO220F
AD20S100	1	100		0.57	0.5	40	200	TO220F
AD20S150	1	150		0.76	0.57	40	200	TO220F
AD2060T	1	60		0.48	0.38	40	200	TO277
AD30D60	2	60	30	0.6	0.42	40	150	TO263
AD30D100	2	100		0.68	0.4	40	150	TO220F
AD30D150	2	150		0.78	0.5	40	250	TO220F
AD30D200F	2	200		0.9	0.69	40	250	TO220F
AD30D200TF	2	200		0.86	0.65	40	250	TO247
AD30D300	2	300		TBD				TO247
AD40D60	2	60	40	0.65	0.54	40	280	TO220F
AD40D100	2	100		0.72	0.61	40	250	TO220F / TO247
AD40D150	2	150		0.94	0.68	40	250	TO220F
AD40D200	2	200		0.95	0.7	40	250	TO220F / TO247
AD40D300	2	300		TBD				TO220F / TO247
AD60D60	2	60	60	0.73	0.59	40	400	TO220F / TO247
AD60D100	2	100		0.85	0.64	40	400	TO220F / TO247
AD60D150	2	150		0.97	0.69	40	400	TO220F / TO247
AD60D200	2	200		1.03	0.74	40	400	TO220F / TO247
AD60D300	2	300		TBD				TO220F / TO247

Bridge Rectifier

Part No	VR [V]	ID [A]	VF, max [V] @ 25°C	IR, max [uA] @ Full VR	IFSM [A]	Package
DF06S	600	1	1.1	10	50	DFS
ABS10	1000	1	1	5	35	ABS
DF210S	1000	2	1.1	10	60	DFS
AD36AF	60	5	0.45	25	80	ABS