



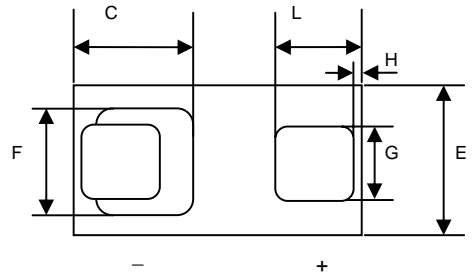
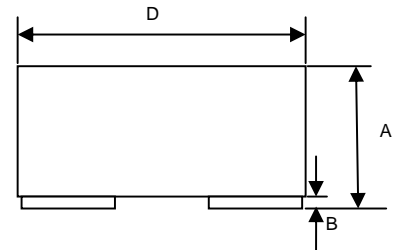
BAS40LP

120 mA
Schottky Rectifier
40 Volts

Features

- Small surface mounting type
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Low diode capacitance. Low forward voltage
- Halogen free available upon request by adding suffix "-HF"
- Guard ring protected
- Marking: S6

SOD-882



Maximum Ratings @ 25°C Unless Otherwise Specified

Symbol	Parameter	Rating	Unit
V_R	DC Reverse Voltage	40	V
I_O	Mean Rectifying Current	120	mA
I_{FSM}	Peak Forward Surge Current@t=8.3ms	0.2	A
T_J	Junction Temperature	125	°C
T_{STG}	Storage Temperature	-65 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

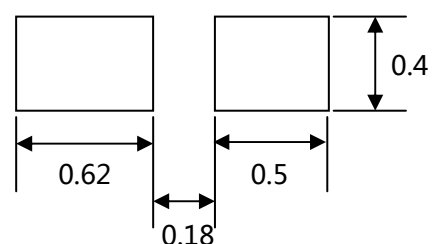
Symbol	Parameter	Min	Typ	Max	Unit
V_F	Forward Voltage ($I_F=1mA_{dc}$) ($I_F=10mA_{dc}$) ($I_F=40mA_{dc}$)	---	---	0.38	Vdc
		---	---	0.5	
		---	---	1	
I_R	Reverse Current (note1) ($V_R=30V_{dc}$) ($V_R=40V_{dc}$)	---	---	1 10	μA_{dc}
C_d	Diode capacitance ($V_R=0V$, $f=1MHz$)	---	---	5	pF

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0.55	
B	0.000	0.003	0.01	0.07	
C	0.019REF.		0.470REF.		
D	0.037	0.041	0.95	1.05	
E	0.022	0.026	0.55	0.65	
F	0.017 REF.		0.420 REF.		
G	0.011	0.015	0.27	0.37	
H	0.001 REF.		0.030 REF.		
L	0.013	0.017	0.34	0.44	

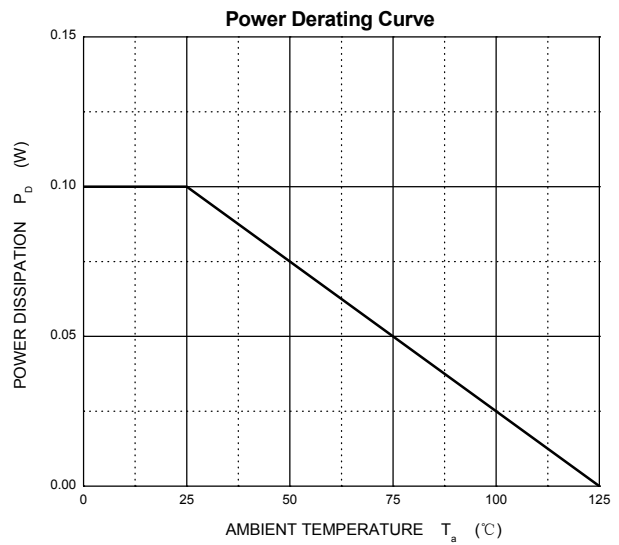
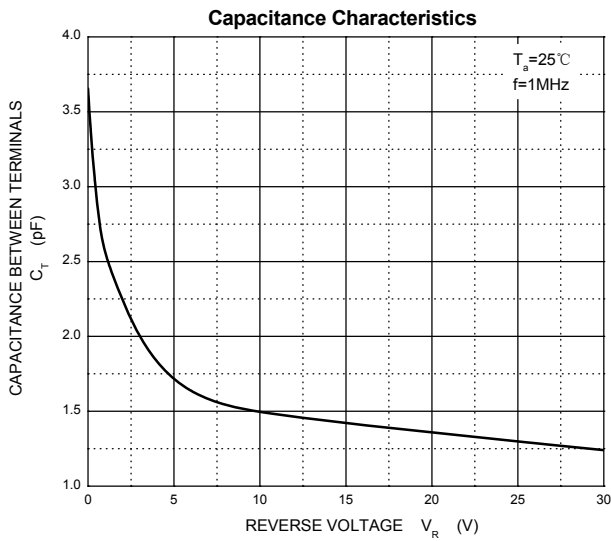
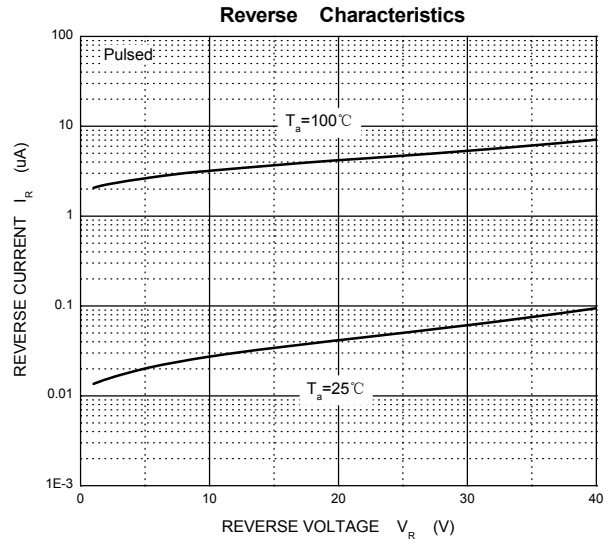
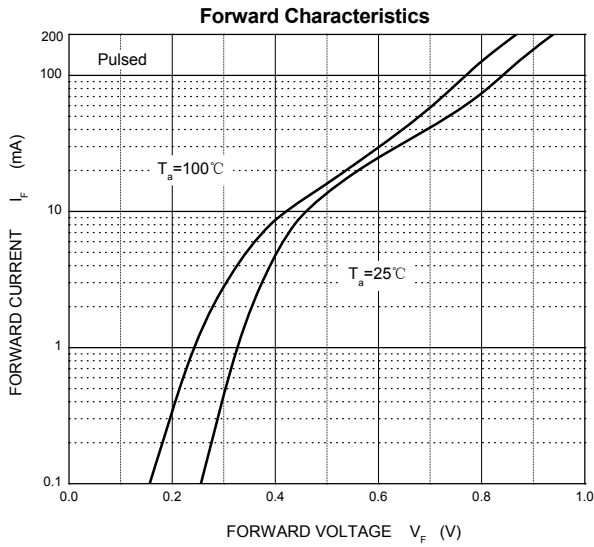
Note:

1. pulse test: $t_p=300\mu s$; $\delta=0.02$

Suggested Solder Pad Layout



BAS40LP



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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