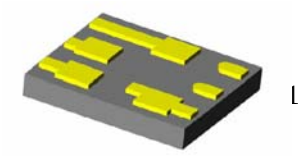
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

WBFBP-06C Plastic-Encapsulate Diode

FBAS70BRW

SURFACE MOUNT SCHOTTKY BARRIER DIODE ARRAYS

WBFBP-06C
(2×2×0.5)
unit: mm



DESCRIPTION

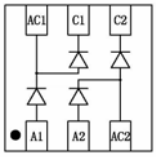
Silicon epitaxial planar
PN Junction Guard Ring for Schottky Diode

FEATURES

- Low Forward Voltage Drop
- Fast Switching
- Ultra-Small Surface Mount Package

APPLICATION

For General Purpose Switching Applications, rectifiers
For portable equipment:(i.e. Mobile phone,MP3, MD,CD-ROM, DVD-ROM, Note book PC, etc.)



BAS70BRW
Marking:K75

Maximum Ratings @T_A=25

Parameter	Symbol	Limits	Unit
Peak Repetitive Peak reverse voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	70	V
Forward Continuous Current	I_F	70	mA
Peak forward surge current @<1.0s	I_{FSM}	100	mA
Power Dissipation	Pd	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	625	℃/W
Junction temperature	T_J	125	℃
Storage temperature range	T_{STG}	-55 to +125	℃

Electrical Ratings @T_A=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}			0.41	V	I_F=1mA
	V_{F2}			1	V	I_F=15mA
Reverse current	I_R			100	nA	V_R=50V
Capacitance between terminals	C_T			2	pF	V_R=0V,f=1MHz
Reverse Recovery Time	t_{rr}			5	ns	I_F=I_R=10mA Irr=0.1XI_R,R_L=100Ω

Typical Characteristics

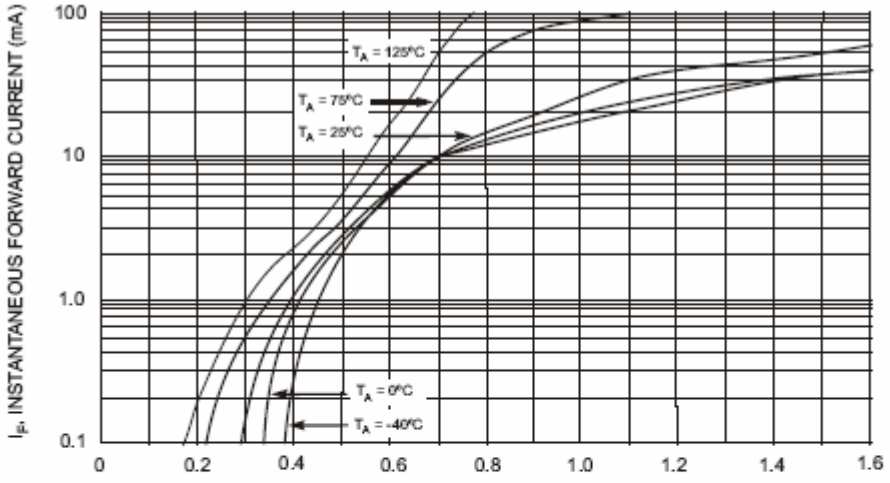


Fig. 1 Typical Forward Characteristics

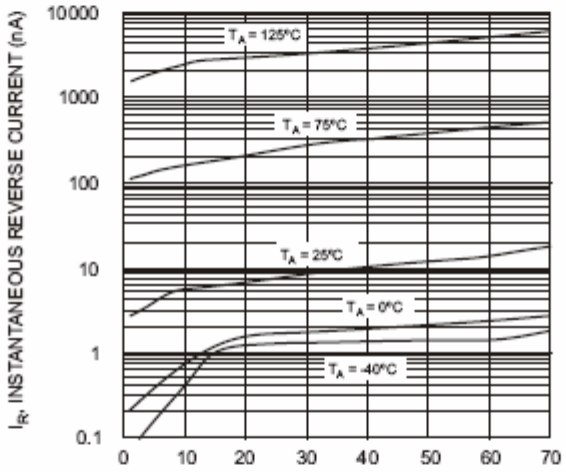


Fig. 2 Typical Reverse Characteristics

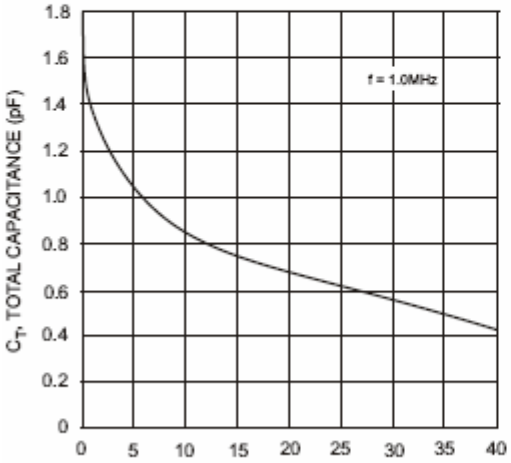


Fig. 3 Typical Capacitance

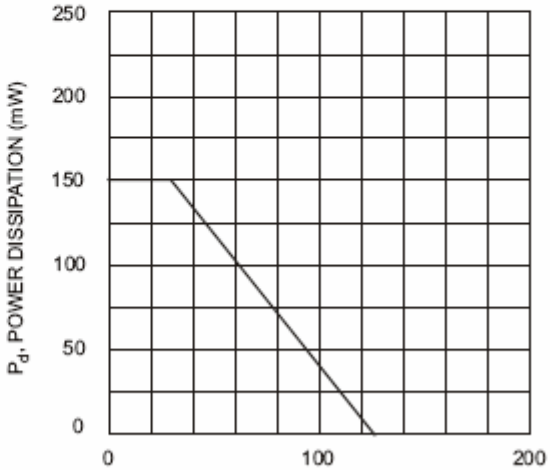
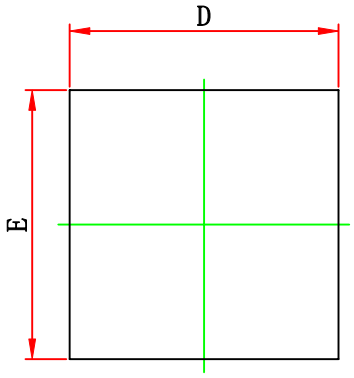
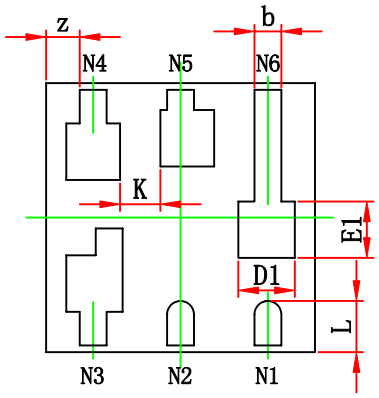


Fig. 4 Power Derating Curve, Total Package

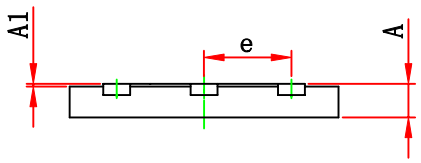
WBFBP-06C(2×2×0.5) PACKAGE OUTLINE DIMENSIONS



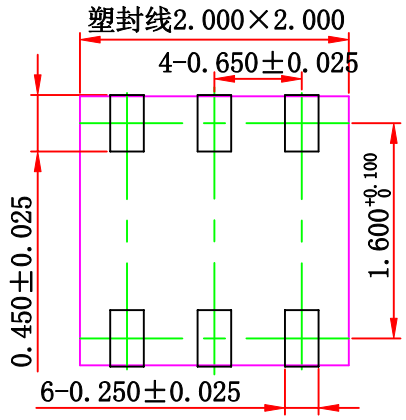
TOP VIEW



BOTTOM VIEW



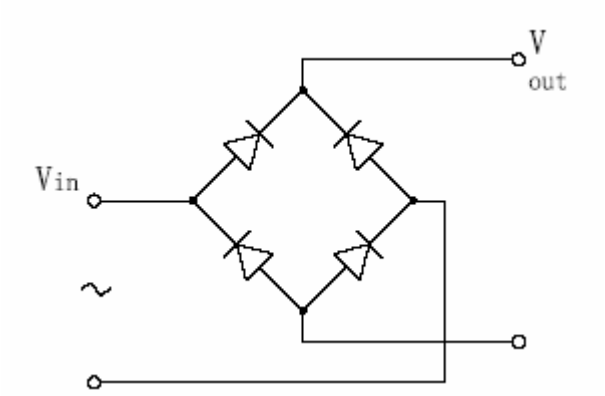
SIDE VIEW



LAND PATTERN RECOMMENDATION
推 荐 焊 盘 图

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	0.450	0.550	0.018	0.022
A1	0.000	0.100	0.000	0.004
b	0.150	0.250	0.006	0.010
D	1.900	2.100	0.075	0.083
E	1.900	2.100	0.075	0.083
D1	0.420 REF.		0.017 REF.	
E1	0.420 REF.		0.017 REF.	
e	0.650 TYP.		0.026 TYP.	
L	0.400 REF.		0.016 REF.	
k	0.300 REF.		0.012 REF.	
z	0.500 REF.		0.020 REF.	

APPLICATION CIRCUITS



Bridge rectifiers