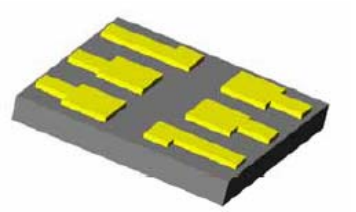
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

WBFBP-06C Plastic-Encapsulate Diodes

FBAT54ADW

SURFACE MOUNT SCHOTTKY BARRIER DIODE ARRAYS

WBFBP-06C
(2×2×0.5)
unit: mm



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DESCRIPTION

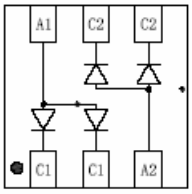
Silicon epitaxial planar
PN Junction Guard Ring for Schottky Diode

FEATURES

- Low Forward Voltage Drop
- Fast Switching

APPLICATION

Ultra high speed switching, rectifiers
For portable equipment:(i.e. Mobile phone,MP3, MD,CD-ROM, DVD-ROM, Note book PC, etc.)



FBAT54ADW
Marking:KL6

Maximum Ratings @T_A=25℃

Parameter	Symbol	Limits	Unit
Peak Repetitive reverse voltage **DC Blocking Voltage**	V_{RM} V_R	30	V
Average Rectified Output Current	I_O	100	mA
Power Dissipation	P_D	150	mW
Junction temperature	T_J	125	℃
Storage temperature range	T_{STG}	-65-125	℃

ELECTRICAL CHARACTERISTICS（Tamb=25℃ unless otherwise specified）

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	I_R= 100μA	30		V
Reverse voltage leakage current	I_R	V_R=25V		2	uA
Forward voltage	V_F	I_F=0.1mA I_F=1mA I_F=10mA I_F=30mA I_F=100mA		240 320 400 500 1000	mV
Total capacitance	C_T	V_R=1V,f=1MHz		10	pF
Reverse recovery time	t_{rr}	I_F=10mA, I_R=10mA~1mA R_L=100Ω		5	nS

Typical Characteristics

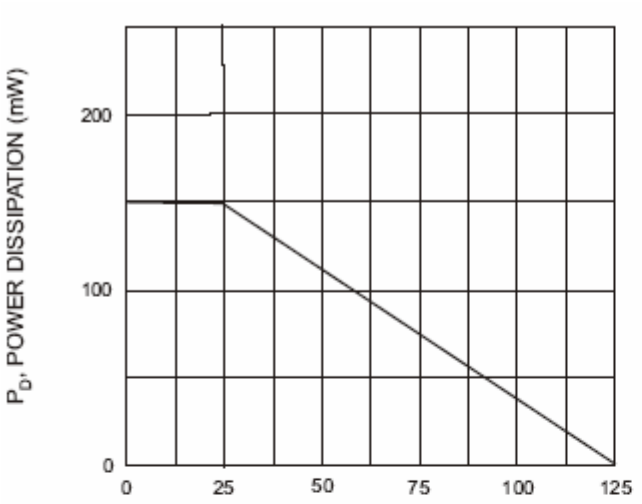


Fig. 1 Power Derating Curve

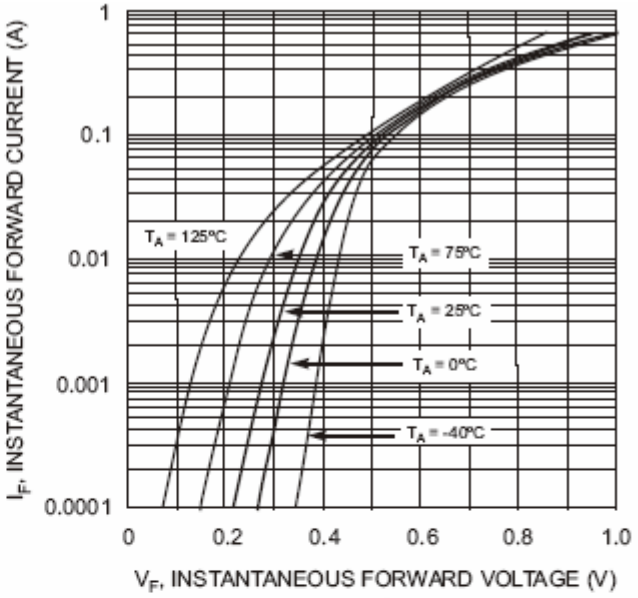


Fig. 2 Forward Characteristics

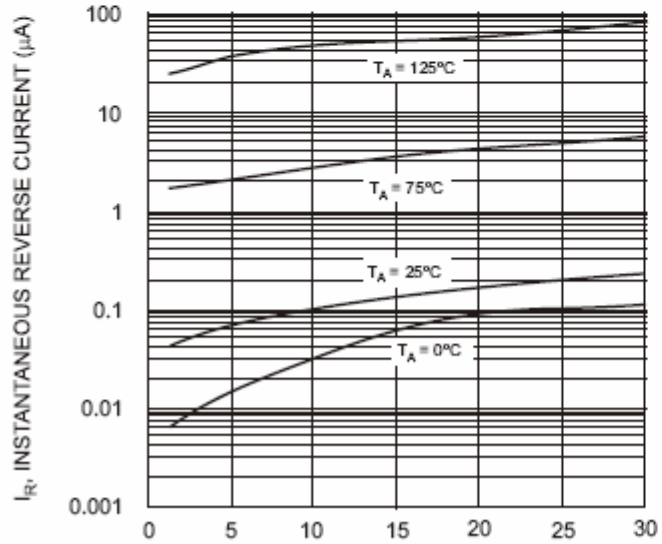


Fig. 3 Typical Reverse Characteristics

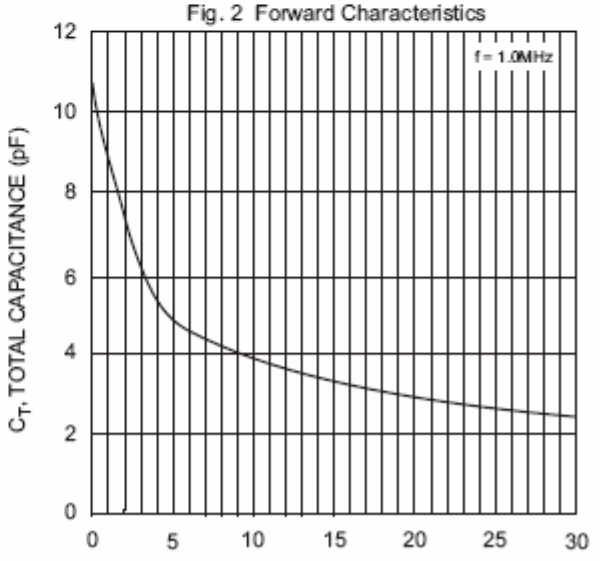
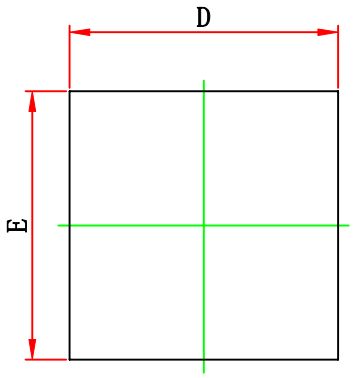
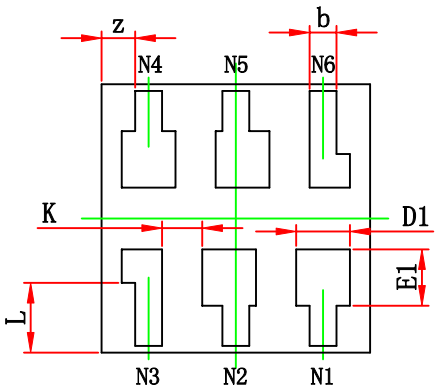


Fig. 4 Typical Capacitance vs. Reverse Voltage

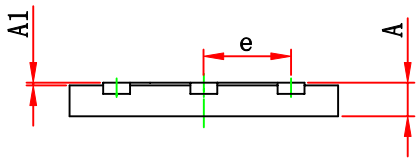
WBFBP-06C(2×2×0.5) PACKAGE OUTLINE DIMENSIONS



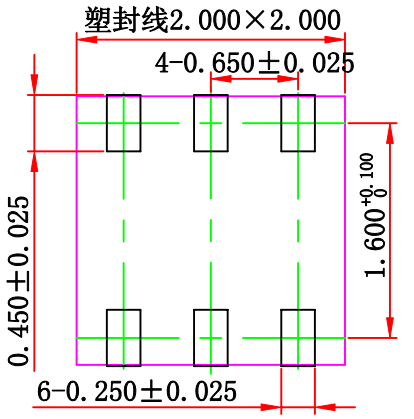
TOP VIEW



BOTTOM VIEW



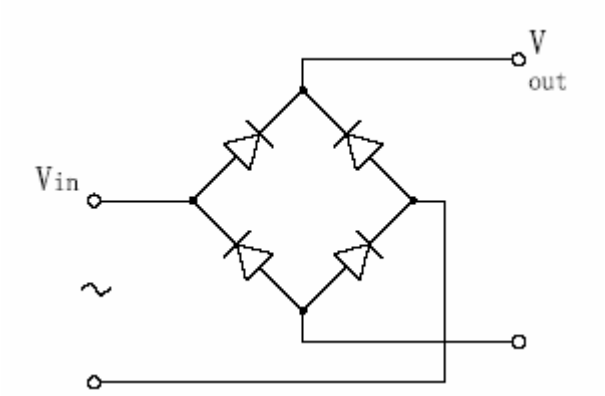
SIDE VIEW



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	0.500 REF.		0.020 REF.	
k	0.300 REF.		0.012 REF.	
z	0.500 REF.		0.020 REF.	

APPLICATION CIRCUITS



Bridge rectifiers