



FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

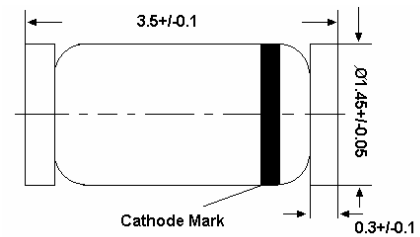
FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

BAS81

SILICON SCHOTTKY BARRIER DIODES

for general purpose applications

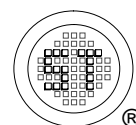


Glass case MiniMELF
Dimensions in mm

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	Symbol	Value	Unit
Peak Reverse Voltage	V_{RRM}	40	V
Continuous Forward Current	I_F	30	mA
Repetitive Peak Forward Current $t_p \leq 1\text{s}; \delta \leq 0.5$	I_{FRM}	150	mA
Repetitive Peak Forward Current $t_p=1\text{s}$	I_{FSM}	500	mA
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_s	-65 to +150	$^\circ\text{C}$

	Symbol	Value	Unit
Thermal Resistance from Junction to Ambient	R_{thj-a}	320	K/W



Dated : 09/12/2004



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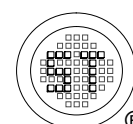
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Characteristics at $T_{amb} = 25^{\circ}\text{C}$

	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 0.1\text{mA}$	V_F	-	-	0.33	V
at $I_F = 1\text{mA}$	V_F	-	-	0.41	V
at $I_F = 15\text{mA}$	V_F	-	-	1	V
Leakage Current at $V_R = V_{RMAX}$	I_R	-	-	200	nA
Junction Capacitance at $V_R = 2\text{V}$, $f = 1\text{MHz}$	C_{tot}	-	-	1.6	pF



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