

HRL0103C

Silicon Schottky Barrier Diode for Rectifying

REJ03G0367-0100 Rev.1.00 Aug 19, 2004

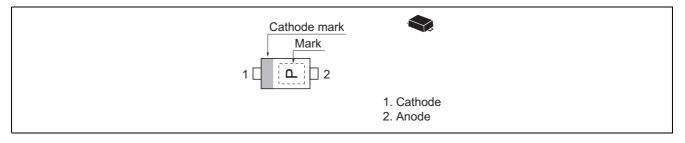
Features

- Low reverse voltage drop and suitable for high efficiency reverse current.
- Extremely small Flat Package (EFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code	
HRL0103C	Р	EFP	

Pin Arrangement





Absolute Maximum Ratings

			(Ta = 25°C)
ltem	Symbol	Value	Unit
Peak reverse voltage	V _{R M} * ¹	30	V
Reverse voltage	V _R	30	V
Average rectified current	lo * ¹	100	mA
Peak forward surge current	I _{FM}	300	mA
Non-Repetitive peak forward surge current	I _{FSM} * ²	1	А
Junction temperature	Тј	125	°C
Storage temperature	Tstg	-55 to +125	°C

Notes: 1. See from Fig.3 to Fig.5.

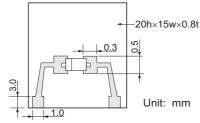
2. 10 ms sine wave 1 pulse.

Electrical Characteristics

 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}			0.40	V	I _F = 10 mA
	V _{F2}			0.60		I _F = 100 mA
Reverse current	I _{R 1}		_	0.1	μA	$V_R = 5 V$
	I _{R 2}			0.2		V _R = 10V
Capacitance	С	-	_	8.0	pF	$V_R = 0.5 V, f = 1 MHz$
Thermal resistance	Rth(j-a)		800		°C/W	Polyimide board *1

Notes: 1. Polyimide board

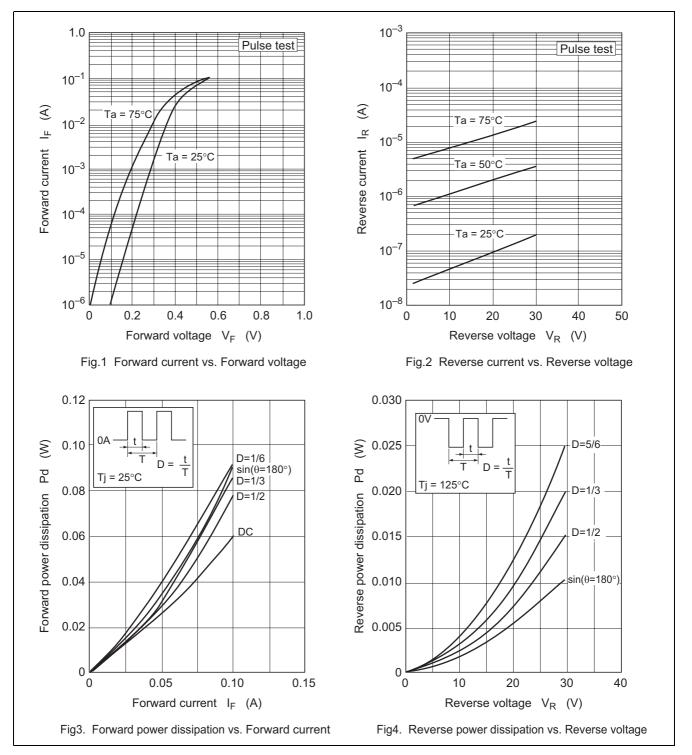


2. Please do not use the soldering iron due to avoid high stress to the EFP package.

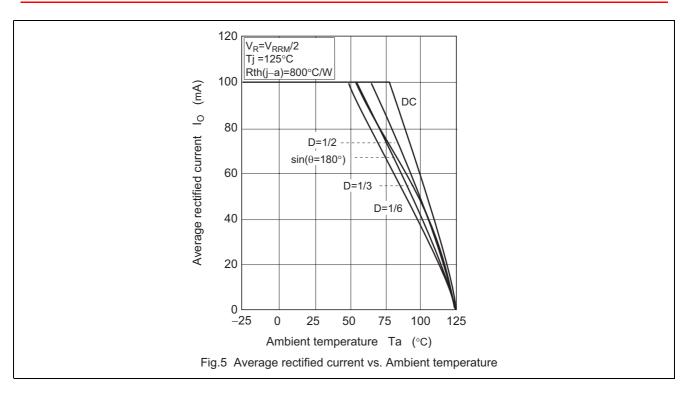
3. The material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.



Main Characteristic

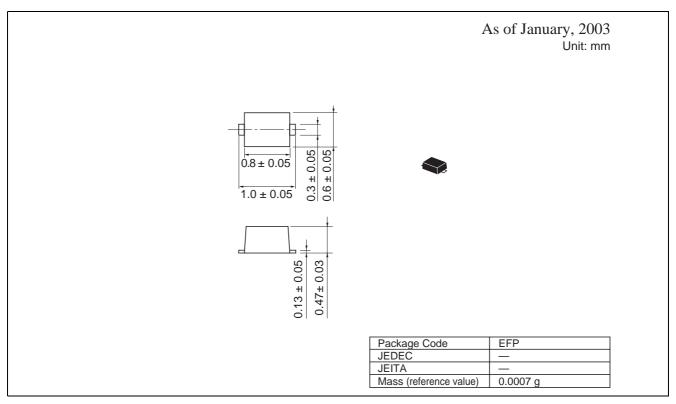








Package Dimensions





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