捷多邦,专业PCB打样工厂,24小时加急出货

1SS119

Silicon Epitaxial Planar Diode for High Speed Switching

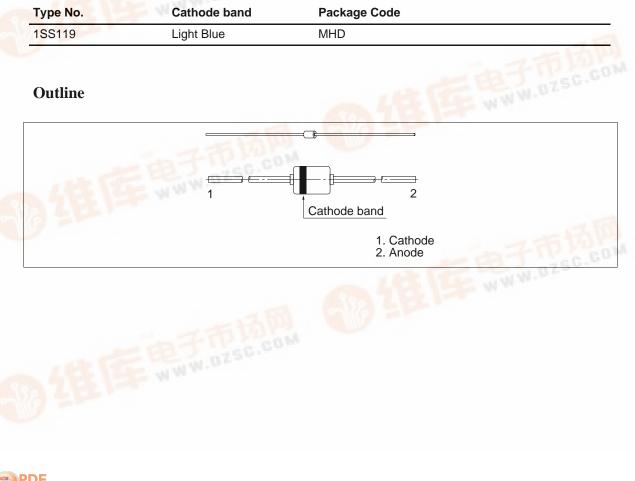


ADE-208-180A (Z) Rev. 1 Aug. 1995

Features

- Low capacitance. (C = 3.0pF max)
- Short reverse recovery time. $(t_{rr} = 3.5 \text{ns max})$
- Small glass package (MHD) enables easy mounting and high reliability.

Ordering Information





Absolute Maximum Ratings (Ta = 25°C)

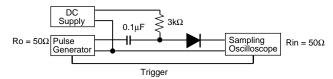
Symbol	Value	Unit
V _{RM}	35	V
V _R	30	V
I _{FM}	450	mA
I _{FSM} *	1	А
I _o	150	mA
Pd	250	mW
Tj	175	°C
Tstg	-65 to +175	°C
	V _{RM} V _R I _{FM} I _{FSM} * I _O Pd Tj	V _{RM} 35 V _R 30 I _{FM} 450 I _{FSM} * 1 I _o 150 Pd 250 Tj 175

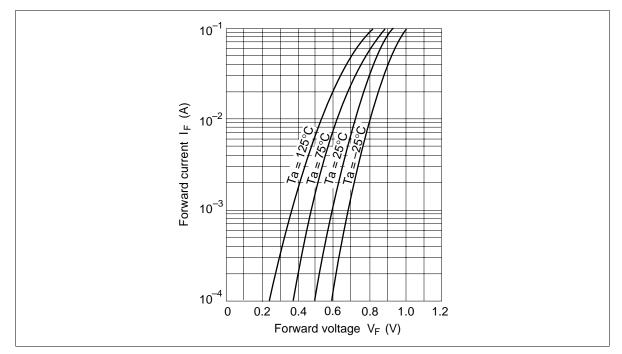
Note: Within 1s forward surge current.

Electrical Characteristics (Ta = 25°C)

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _F	_	_	0.8	V	$I_F = 10 \text{mA}$
Reverse current	I _R	—	_	0.1	μA	V _R = 30V
Capacitance	С	—	_	3.0	pF	$V_R = 1V$, f = 1MHz
Reverse recovery time	t"*	—		3.5	ns	$I_F = 10mA$, $V_R = 6V$, $R_L = 50\Omega$

Note: Reverse recovery time test circuit







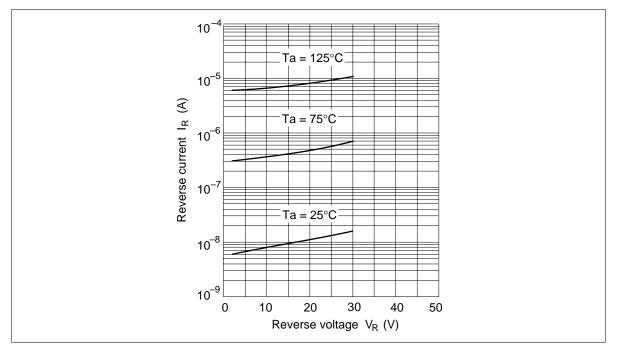


Fig.2 Reverse current Vs. Reverse voltage

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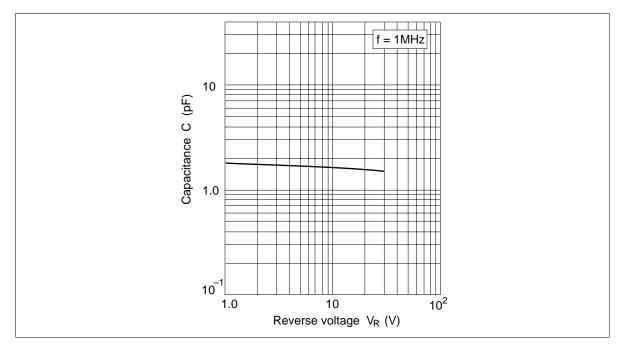
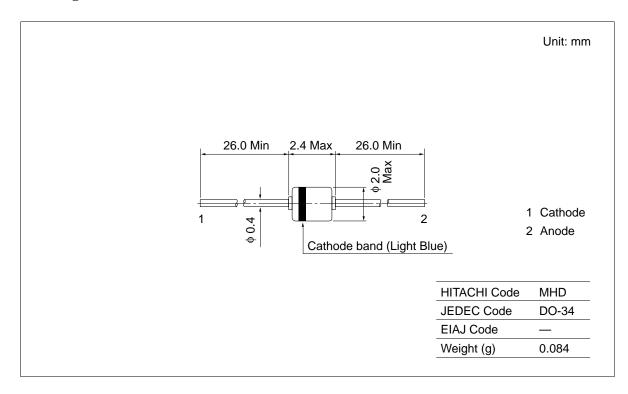


Fig.3 Capacitance Vs. Reverse voltage

Package Dimensions



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