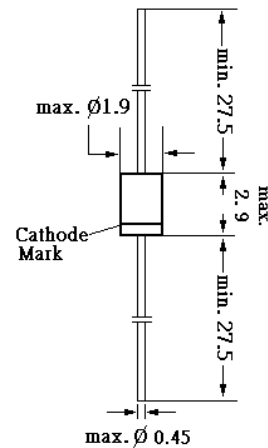


1N-SS119

SILICON EPITAXIAL PLANAR DIODE for High Speed Switching

Features

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



Glass case JEDEC DO-34

Dimensions in mm
Weight approx. 0.092g

Absolute Maximum Ratings (T_a = 25°C)

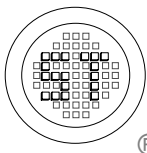
	Symbol	Value	Unit
Peak reverse voltage	V _{RM}	35	V
Reverse voltage	V _R	30	V
Average rectified current	I _O	150	mA
Peak forward current	I _{FM}	450	mA
Non-Repetitive peak forward surge current	I _{FSM} *	1	A
Power dissipation	P _d	250	mW
Junction temperature	T _j	175	°C
Storage temperature range	T _S	-65 to +175	°C

Note: Within 1s forward surge current.

Characteristics at T_a = 25°C

	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at I _F = 10mA	V _F	-	-	0.8	V
Reverse current at V _R = 30V	I _R	-	-	0.1	μA
Capacitance at V _R = 1V, f = 1MHz	C	-	-	3	pF
Reverse recovery time at I _F = 10mA V _R = 6V, R _L = 50 Ω	t _{rr} *	-	-	3.5	ns

Note: Reverse recovery time test circuit



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Dated : 31/12/2002

Fig.1-Forward current Vs. Forward voltage

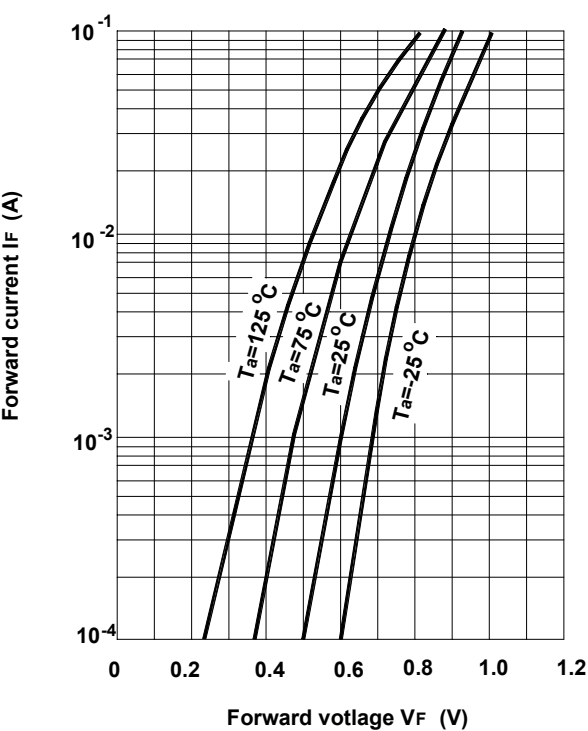


Fig.2- Reverse current Vs. Reverse voltage

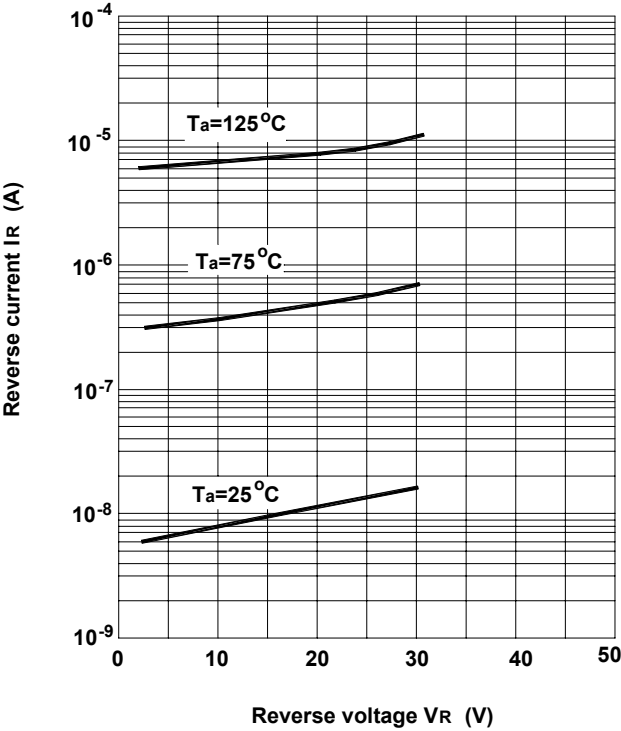
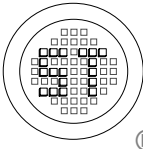
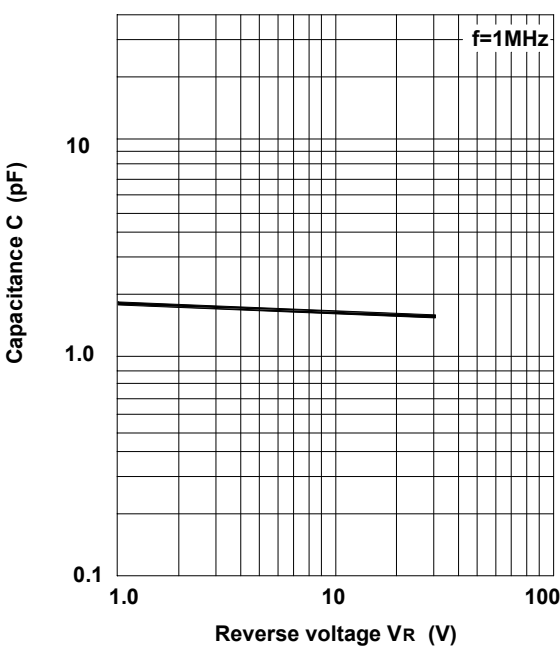
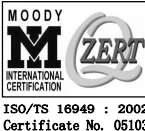


Fig.3- Capacitance Vs. Reverse voltage



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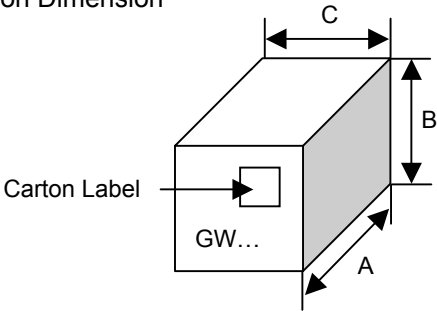


Packing Specification of 52mm Ammo Pack

- 1.The method of inner box packing is shown in figure 1.
- 2.Dimension and Quantity of inner box and taping.

Product outline	A	B	C	Quantity	b	c	f	g	h	$l_1 \sim l_2$	m
DO-34	262 mm	77 mm	71 mm	5kpcs/box	52.25 ±0.25 mm	6.25 ±0.25 mm	5.00 ±0.30 mm	1.0 mm max.	1.0 mm max.	1.0 mm max.	0.8 mm max.

3. Carton Dimension



Product outline		DO-34
Dimension	A(mm)	404
	B(mm)	273
	C(mm)	165

- 3.1 10 box / carton
- 5 box / layer
- 2 layer / carton

4. Quantity of Carton Pack.

Product outline	DO-34
Quantity	50kpcs

5. Label

- 5.1 The information of inner box label must be listed:
 - 5.1.1 TYPE
 - 5.1.2 QTY
 - 5.1.3 CODE
 - 5.1.4 RMK
- 5.2 The information of carton label must be listed:
 - 5.2.1 TYPE
 - 5.2.2 QTY

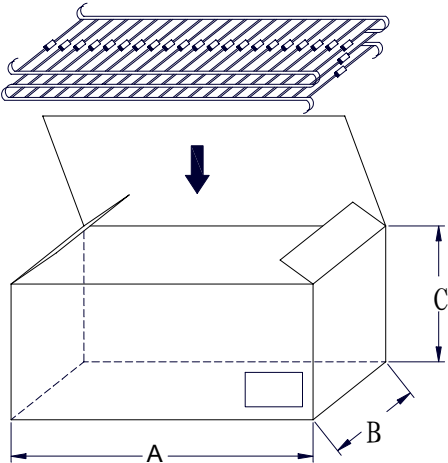
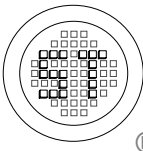
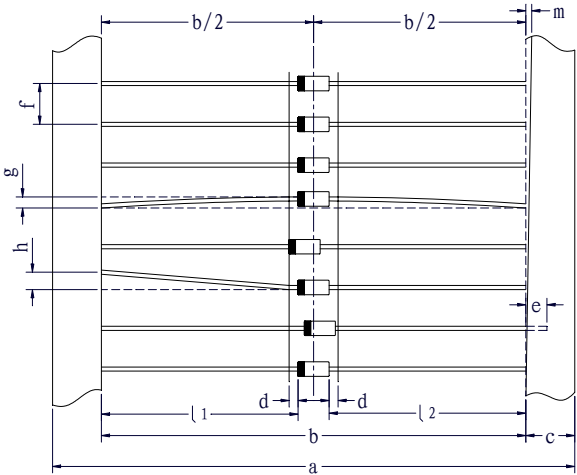


figure 1



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