Switching diode

1SS244

Applications

High voltage switching General purpose rectification

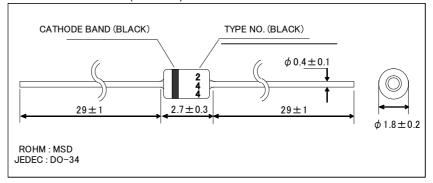
● Features

- 1) Glass sealed envelope. (MSD)
- 2) High reliability.

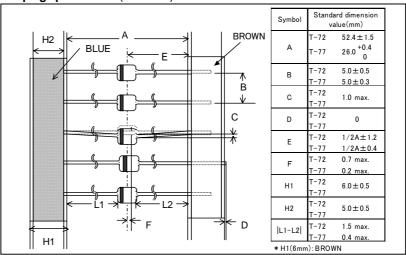
Construction

Silicon epitaxial planar

●External dimensions (Unit : mm)



●Taping specification (Unit : mm)



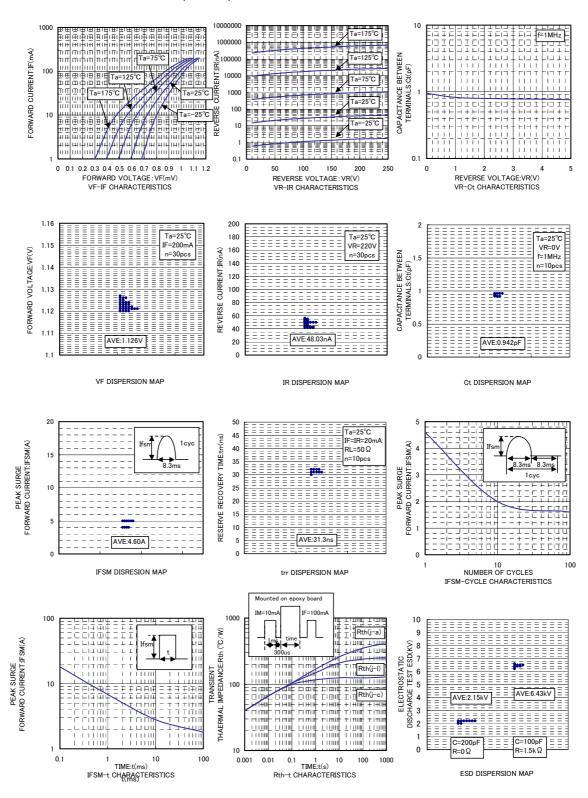
● Absolute maximum ratings (Ta=25°C)

The solute maximum ratings	(1a-25 C)		
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	250	V
Reverse voltage (DC)	V_R	220	V
Forward current	I _{FM}	625	mA
Average rectified forward current	lo	200	mA
Surge current (1s)	I _{surge}	1000	mA
Power dissipation	Р	300	mW
Junction temperature	Tj	175	°C
Storage temperature	Tsta	-65 to 175	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Forward voltage	V_{F}	-	-	1.5	V	I _F =200mA	
Reverse current	I _R	-	-	10	μA	V _R =220V	
Capacitance between terminals	Ct	-	-	3	pF	V _R =0V , f=1MHz	
Reverse recovery time	Trr	-	-	75.0	ns	$I_R=20\text{mA}, I_F=20\text{mA}, RL=50\Omega$	

●Electrical characteristics curves (Ta=25°C)



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