

## Rectifier diode

## 1SR154-400

## ●Applications

General purpose rectification

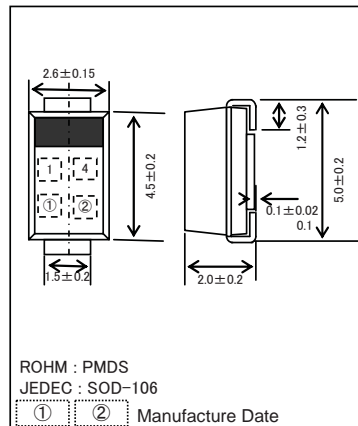
## ●Features

- 1) Small power mold type. (PMDS)
- 2) High reliability.

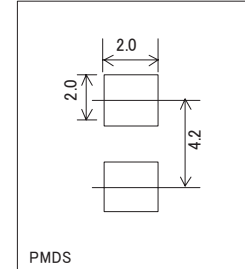
## ●Construction

Silicon diffused junction

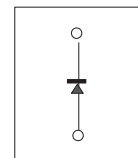
## ●Dimensions (Unit : mm)



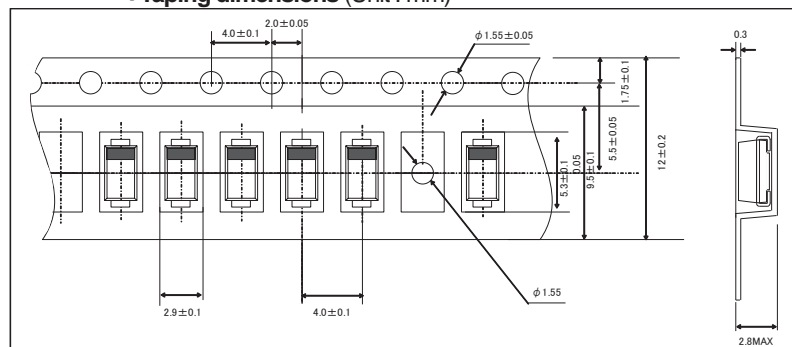
## ●Land size figure (Unit : mm)



## ●Structure



## ●Taping dimensions (Unit : mm)



## ●Absolute maximum ratings (Ta=25°C)

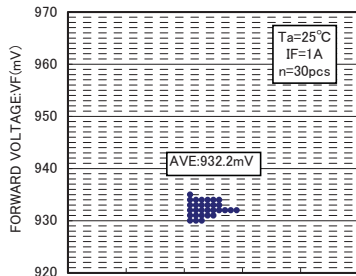
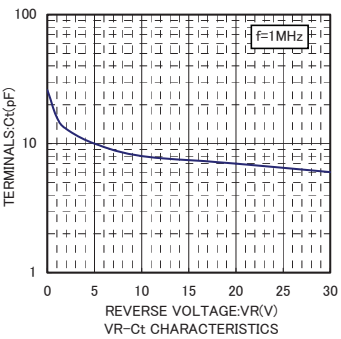
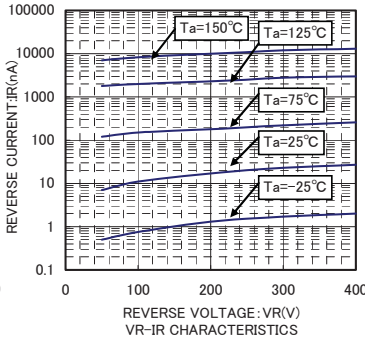
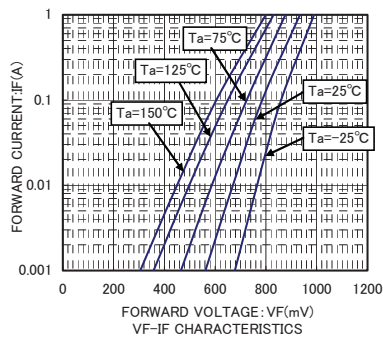
Parameter	Symbol	Limits	Unit
Reverse voltage (non-repetitive peak)	$V_{RMS}$	500	V
Reverse voltage (repetitive peak)	$V_R$	400	V
Average rectified forward current	$I_o$	1	A
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	30	A
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

## ●Electrical characteristics (Ta=25°C)

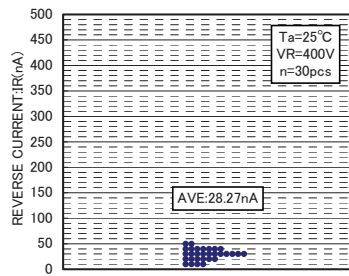
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	1.1	V	$I_F=1A$
Reverse current	$I_R$	-	-	10	uA	$V_R=400V$

Diodes

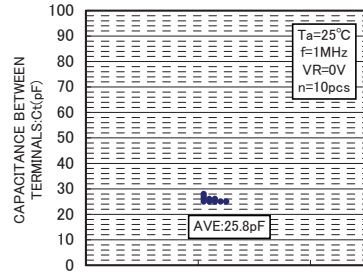
●Electrical characteristic curves (Ta=25°C)



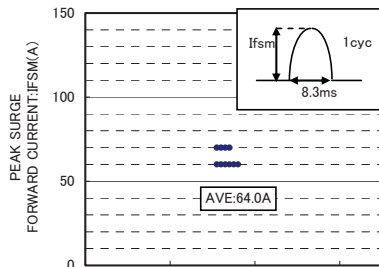
VF DISPERSION MAP



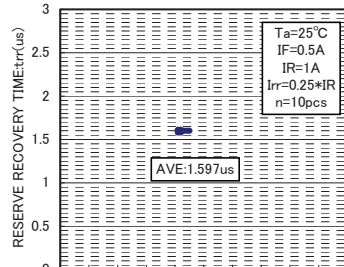
IR DISPERSION MAP



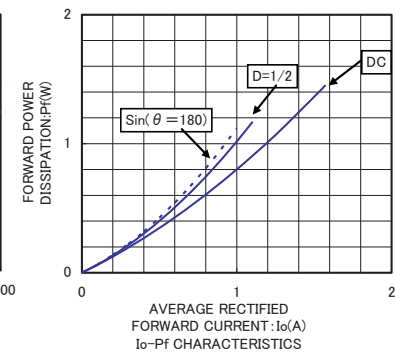
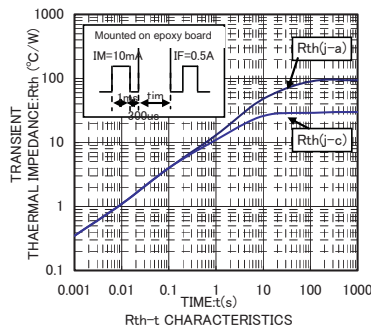
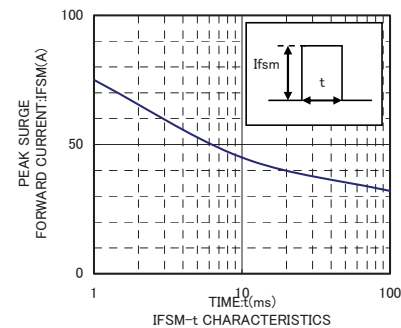
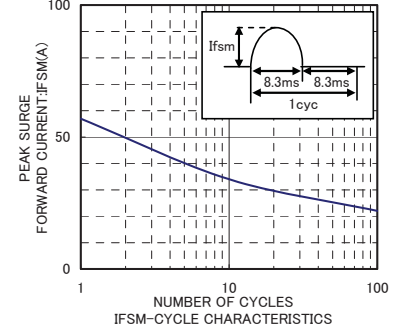
Ct DISPERSION MAP



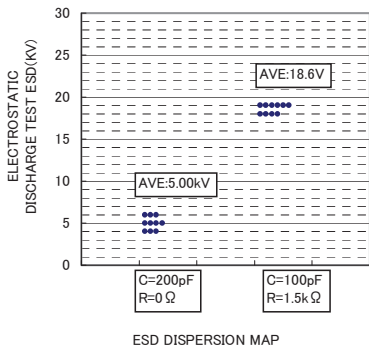
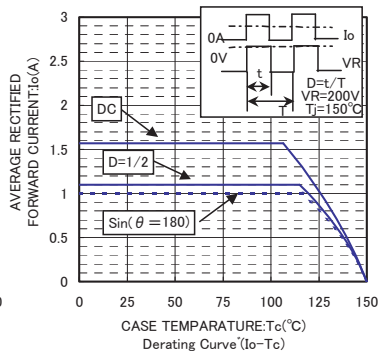
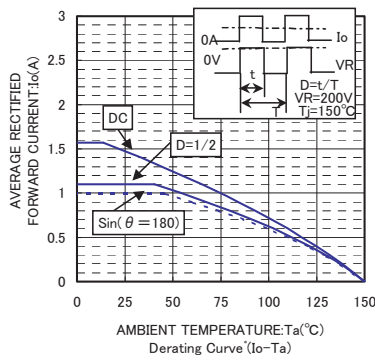
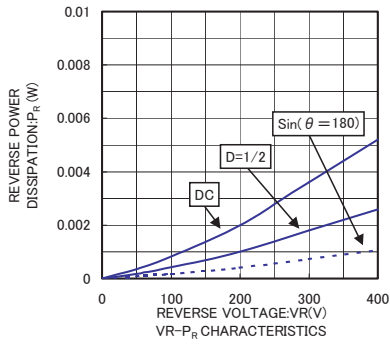
IFSM DISPERSION MAP



trr DISPERSION MAP



Diodes



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