# Fast recovery diode **RF101L4S**

#### Applications

General rectification

#### Features

- 1) Small power mold type (PMDS)
- 2) Ultra low VF
- 3) Ultra high switching speed
- 4) Low switching loss

#### **●**Constructure

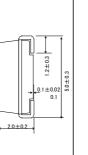
Silicon epitaxial planar

# 6 6 1 2

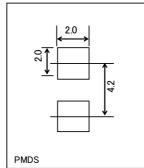
●Dimensions (Unit:mm)

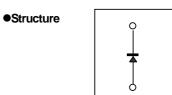
1.5±0.2

ROHM : PMDS JEDEC: SOD-106



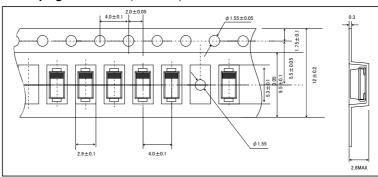
# ●Land size figure (Unit: mm)





# ●Taping dimensions (Unit: mm)

① ② Manufacture date



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

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V <sub>RM</sub>	400	V
Reverse voltage (DC)	V <sub>R</sub>	400	V
Average rectified forward current	lo	1	Α
Forward current surge peak (60Hz-1cyc)	I <sub>FSM</sub>	20	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

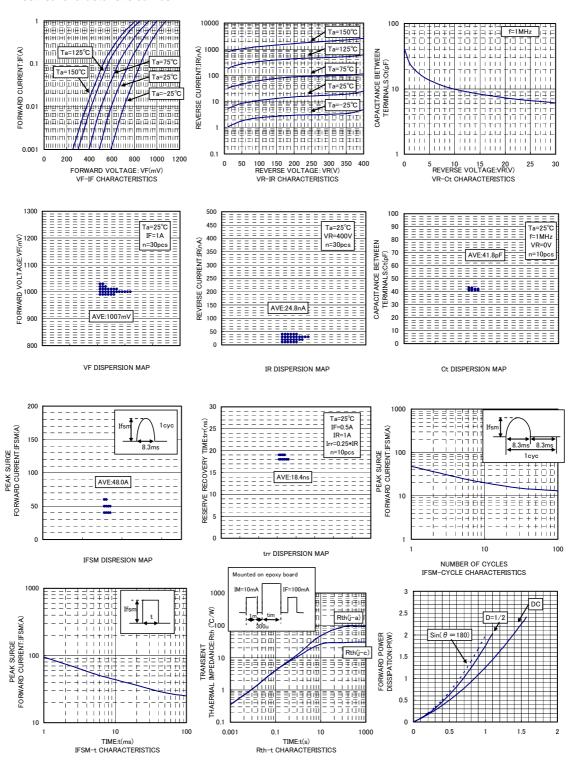
<sup>(\*1)</sup>Mounting on epoxy board. 180°Half sine wave

# ●Electrical characteristic (Ta=25°C)

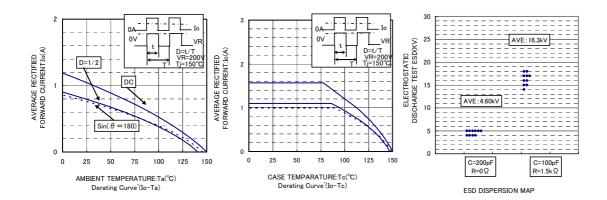
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	1.25	V	I <sub>F</sub> =1.0A
Reverse current	I <sub>R</sub>	1	-	10	μA	V <sub>R</sub> =400V
Reverse recovery time	trr	1	-	25	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =1A,Irr=0.25*I <sub>R</sub>



#### Electrical characteristic curves



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