

Super Fast Recovery Diode

•Serise Standard Fast Recovery

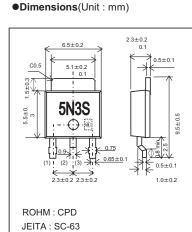
•Applications General rectification

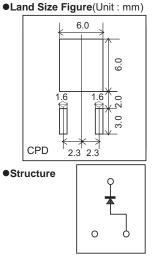
Features

Power mold type(CPD)
Low switching Loss
High current overload capacity

Construction

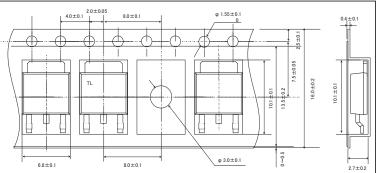
Silicon epitaxial planer type





•Taping Dimensions(Unit : mm)

1 Manufacture

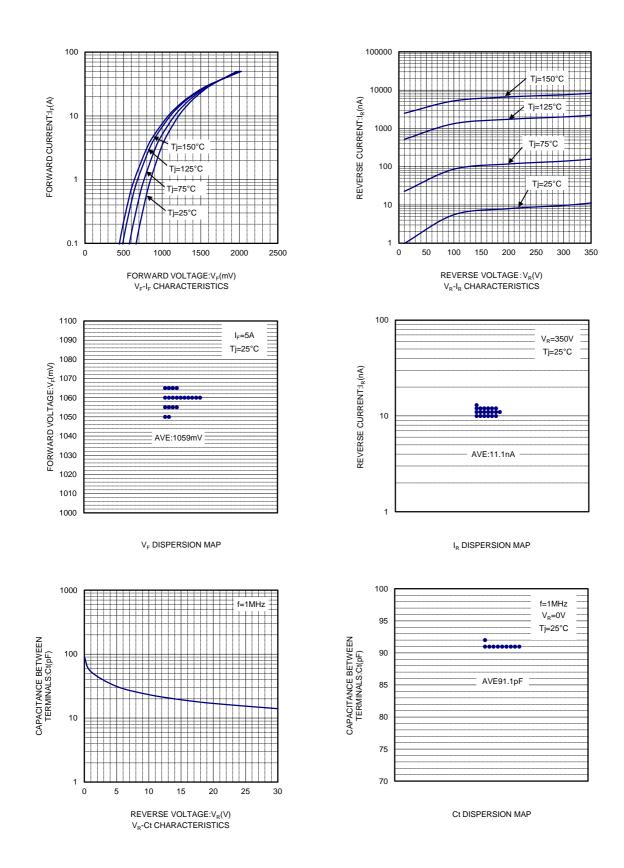


•Absolute Maximum Ratings(Tc=25°C)

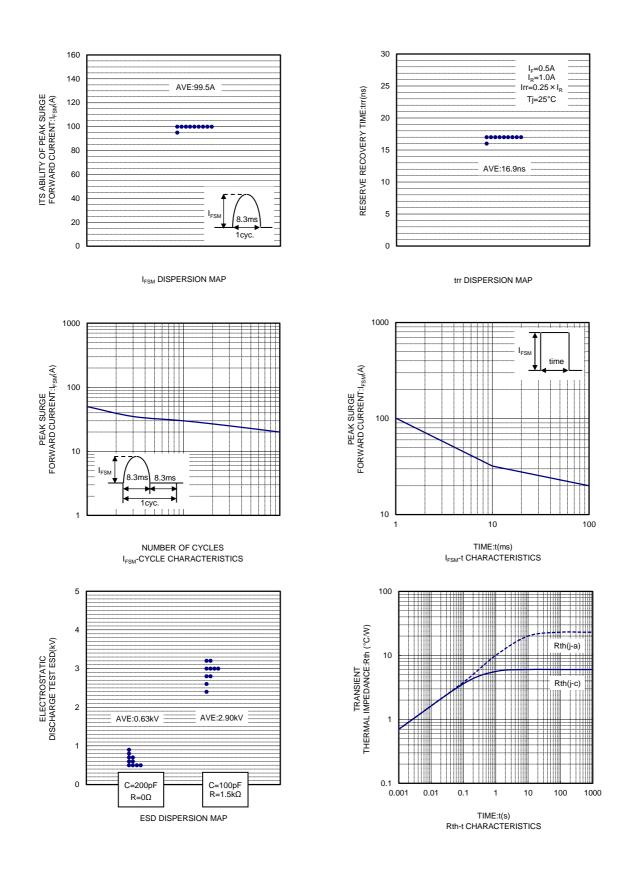
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty≦0.5		350	V
Reverse voltage	V _R	Direct voltage		350	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=95°C	5	А
Forward current surge peak	I _{FSM}	60Hz half sin wave , Non-repetitive a	t Tj=25°C	50	А
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

•Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V _F	I _F =5A	-	1.1	1.5	V
Reverse current	I _R	V _R =350V	—	0.05	10	μA
Reverse recovery time	trr	$I_F=0.5A$, $I_R=1A$, $Irr=0.25 \times I_R$	—	20	30	ns
Thermal resistance	Rth(j-c)	Junction to case	_	—	6.0	°C/W



2/4



0A

οv

half sin wave

90

D=0.2

120

150

60

AMBIENT TEMPERATURE:Ta(°C) DERATING CURVE(Io-Ta)

D=0.5

D=0.8

D.C.

D=0.1

0

D=0.05

30

lc

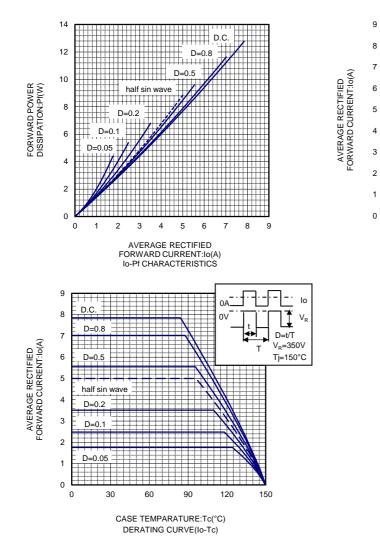
V

lÌ

D=t/T

V_R=350V

Tj=150°C



	Notes
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