

# Super Fast Recovery Diode

### ●Serise

Standard Fast Recovery

# Applications

General rectification

### Features

1)Power mold type(CPD)

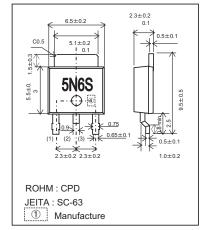
2)Low switching Loss

3)Low forward voltage

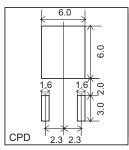
### Construction

Silicon epitaxial planer type

# ●Dimensions(Unit:mm)



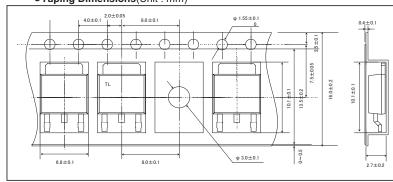
# ●Land Size Figure(Unit : mm)



●Structure



# ●Taping Dimensions(Unit:mm)

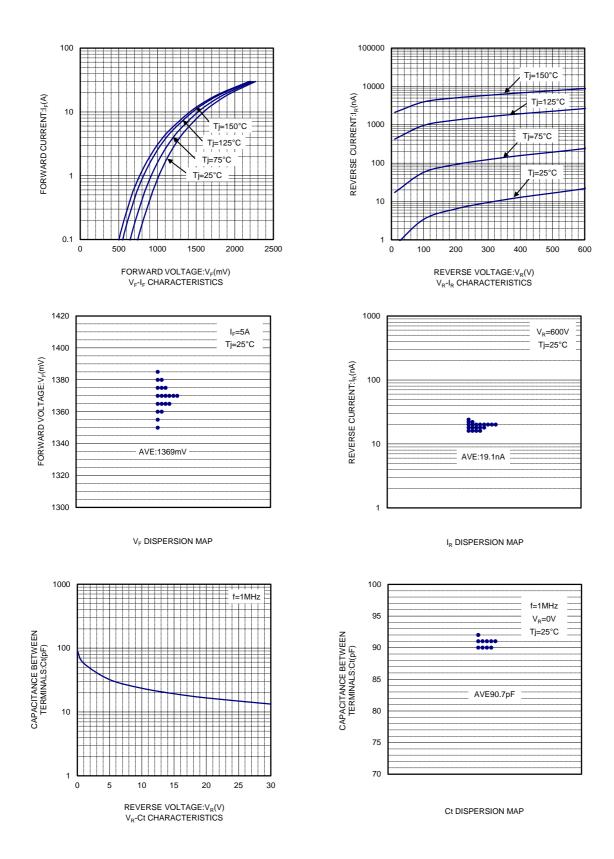


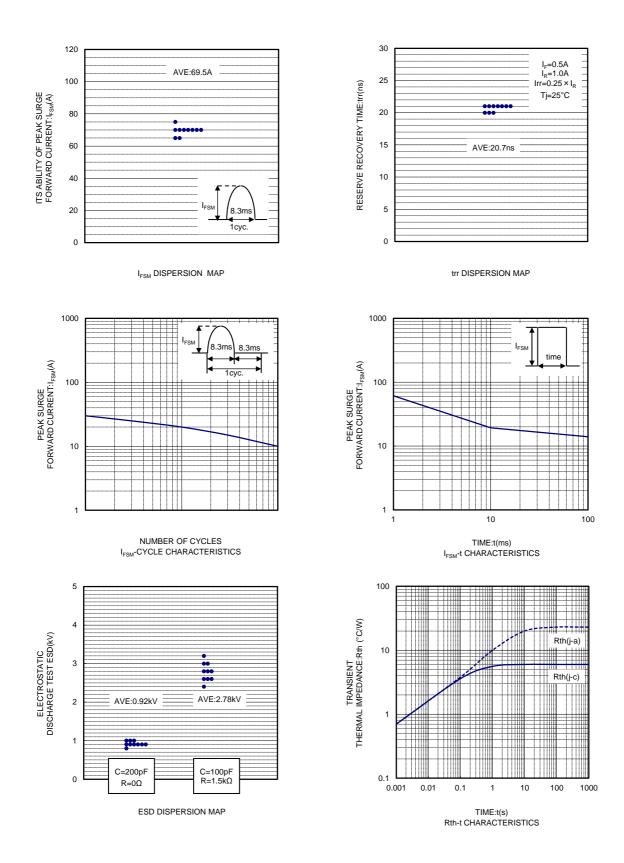
# ● Absolute Maximum Ratings(TI=25°C)

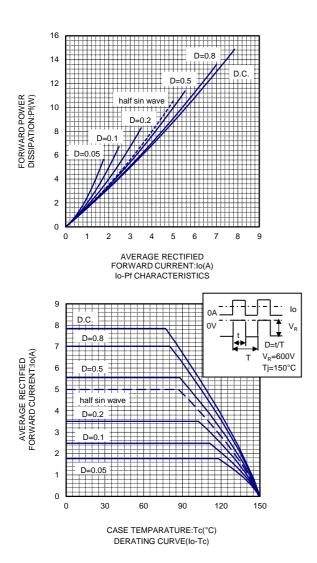
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	$V_{RM}$	Duty≦0.5		600	V
Reverse voltage	$V_R$	Direct voltage		600	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=82°C	5	А
Forward current surge peak	I <sub>FSM</sub>	60Hz half sin wave , Non-repetitive at Tj=25°C		=25°C 30	
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

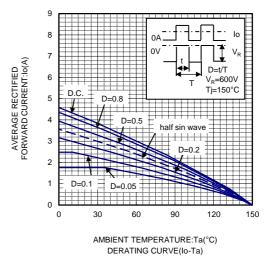
# ●Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =5A	_	1.3	1.55	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =600V	-	0.05	10	μΑ
Reverse recovery time	trr	$I_F$ =0.5A, $I_R$ =1A, $I_R$ =0.25× $I_R$	-	28	50	ns
Thermal resistance	Rth(j-c)	Junction to case	_	_	6.0	°C/W









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