

Super Fast Recovery Diode

●Serise

Standard Fast Recovery

Applications

General rectification

Features

1)Power mold type(CPD)

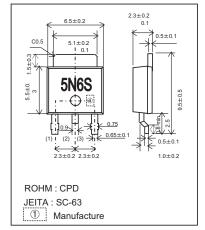
2)Low switching Loss

3)Low forward voltage

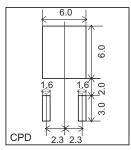
Construction

Silicon epitaxial planer type

●Dimensions(Unit:mm)



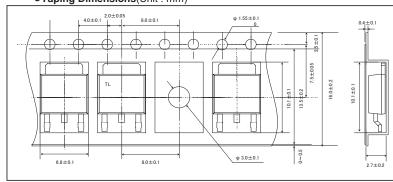
●Land Size Figure(Unit : mm)



●Structure



●Taping Dimensions(Unit:mm)

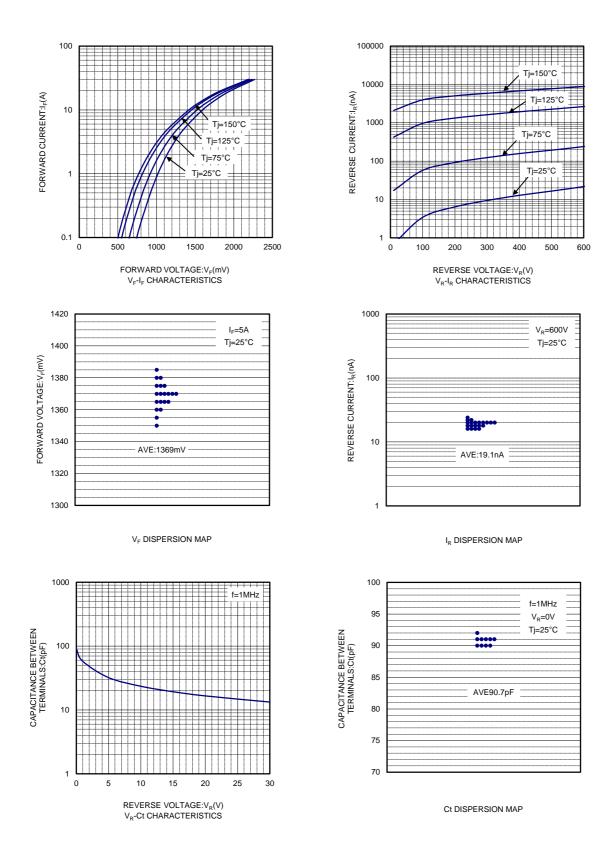


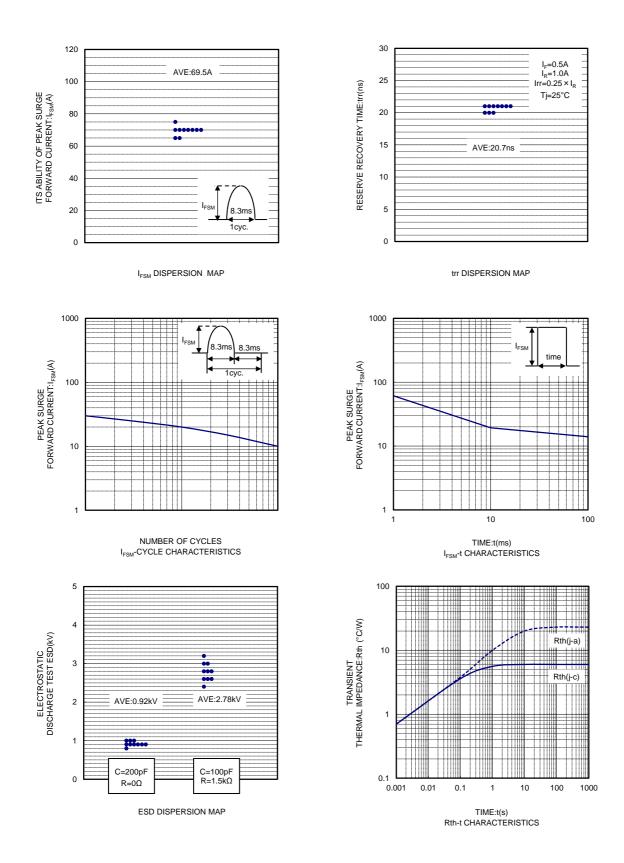
● Absolute Maximum Ratings(TI=25°C)

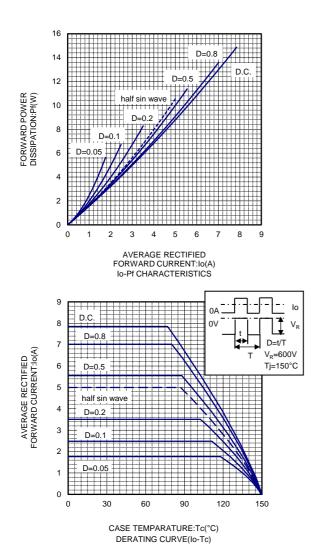
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V_{RM}	Duty≦0.5		600	V
Reverse voltage	V_R	Direct voltage		600	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=82°C	5	А
Forward current surge peak	I _{FSM}	60Hz half sin wave , Non-repetitive at Tj=25°C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

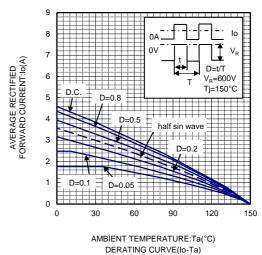
●Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V _F	I _F =5A	_	1.3	1.55	V
Reverse current	I _R	V _R =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









Notes

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