

Super Fast Recovery Diode

Applications

General rectification

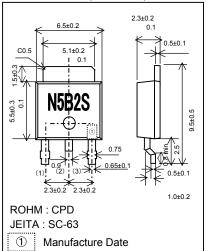
Features

- 1)Power mold type. (CPD)
- 2)Low switching loss
- 3) High current overload capacity

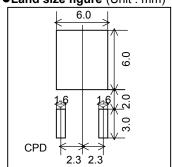
●Construction

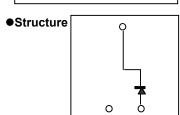
Silicon epitaxial planer

●Dimensions (Unit:mm)

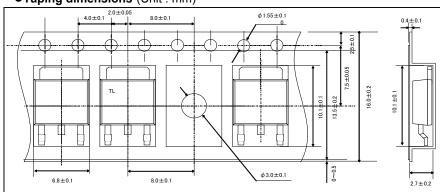


●Land size figure (Unit : mm)





●Taping dimensions (Unit: mm)

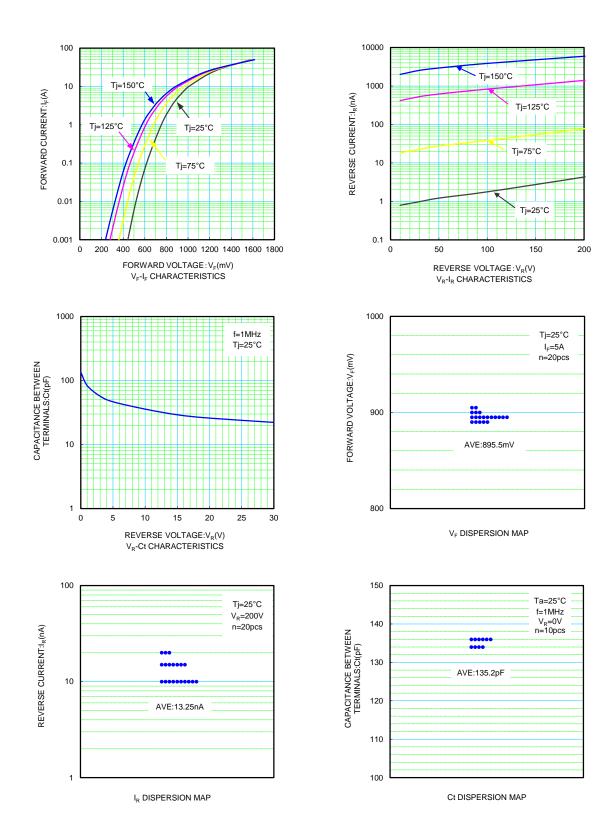


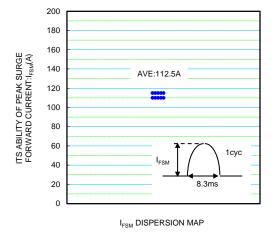
●Absolute maximum ratings (Tc=25°C)

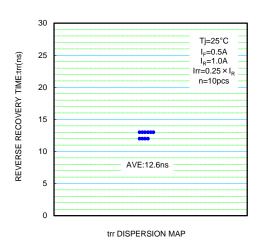
Parameter	Symbol	Conditions	Limits	Unit	
Repetitive peak Reverse voltage	V_{RM}	Duty≤0.5		200	V
Reverse voltage	V_R	Direct voltage		200	V
Average rectified forward current	lo	60Hz half sin wave,resistive load	Tc=82°C	5	Α
Forward current surge peak	I _{FSM}	60Hz half sin wave, Non-repetitive one cycle peak value, Tj=25°C		40	Α
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

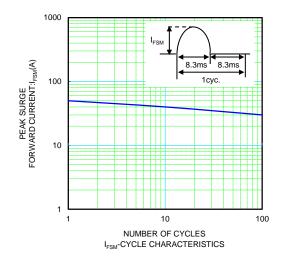
●Electrical characteristics (Tj=25°C)

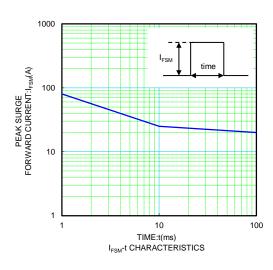
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V_{F}	I _F =5A	_	0.90	0.98	V
Reverse current	I _R	V _R =200V	_	0.01	10	μA
Reverse recovery time	trr	I_F =0.5A, I_R =1A, I_R =0.25× I_R	_	13	25	ns
Thermal Resistance	Rth(j-c)	junction to lead	_	_	12	°C/W

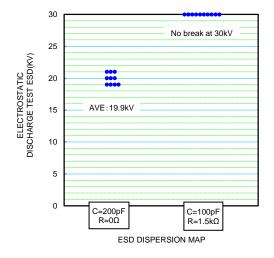


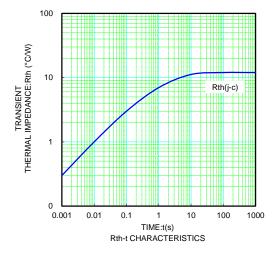


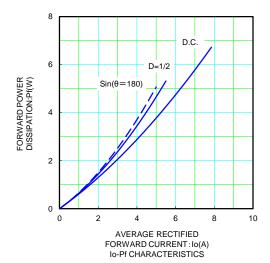


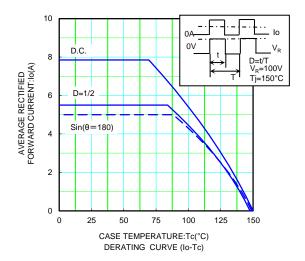












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