

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Super Fast Recovery Diode

#### Serise

Standard Fast Recovery

#### Applications

General rectification

#### Features

1)Power mold type(CPD)

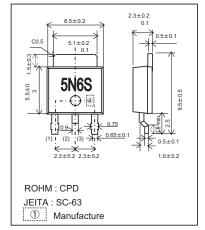
2)Low switching Loss

3)Low forward voltage

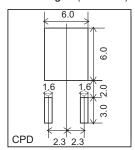
#### Construction

Silicon epitaxial planer type

#### ●Dimensions(Unit:mm)



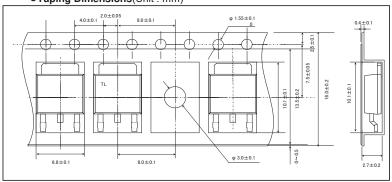
#### ●Land Size Figure(Unit : mm)



Structure



#### ●Taping Dimensions(Unit:mm)

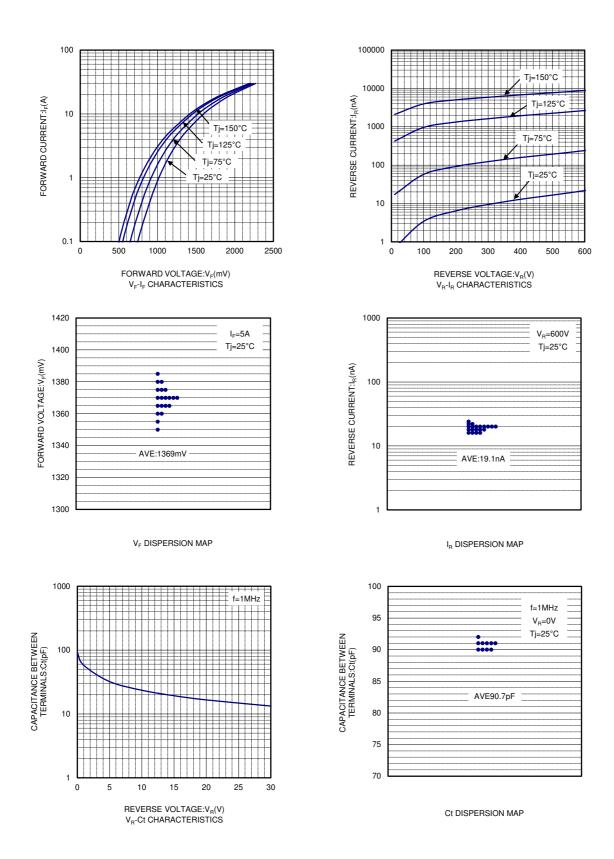


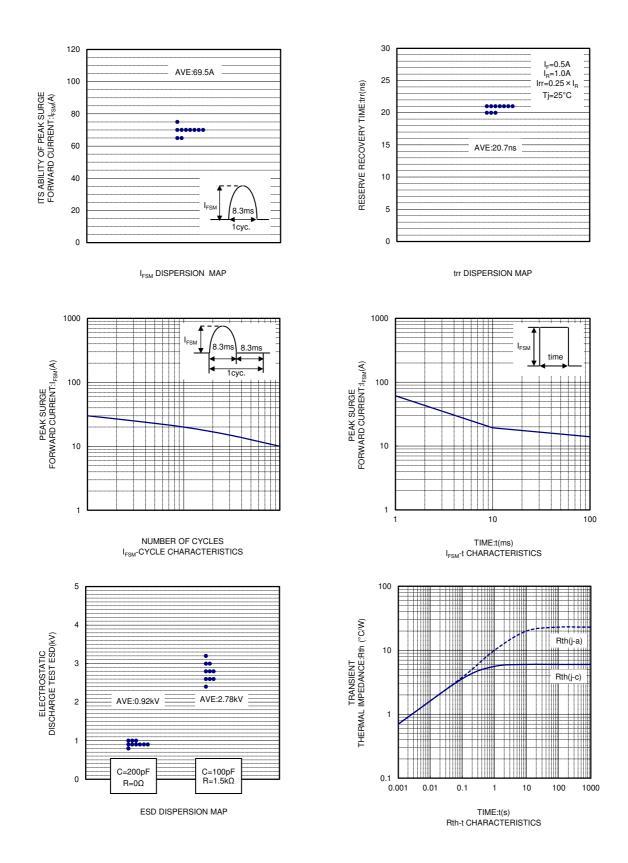
#### ● Absolute Maximum Ratings(TI=25°C)

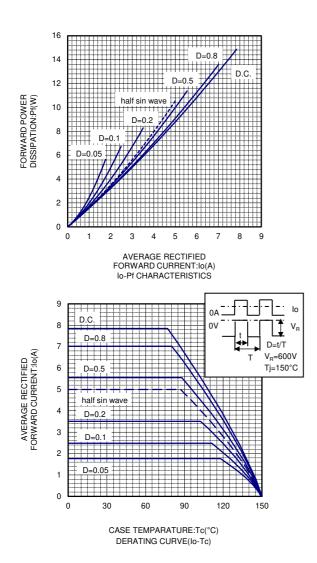
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	$V_{RM}$	Duty≦0.5		600	V
Reverse voltage	$V_R$	Direct voltage		600	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=82°C	5	Α
Forward current surge peak	I <sub>FSM</sub>	60Hz half sin wave , Non-repetitive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

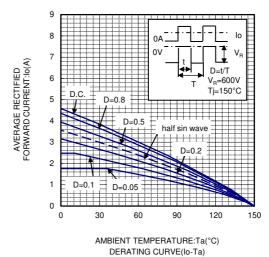
#### ●Electrical Characteristics(Tj=25°C)

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	μA
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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