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.

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Super Fast Recovery Diode

RF2L6S

●Series

Standard Fast Recovery

●Applications

General rectification

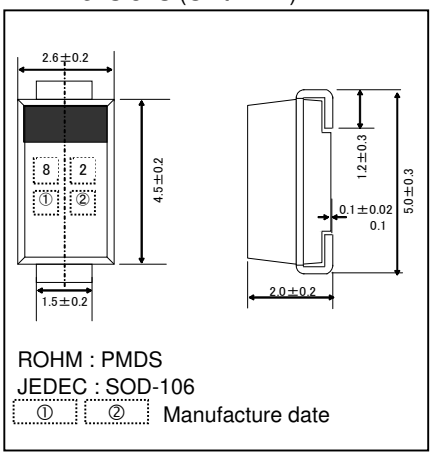
●Features

1)Small power mold type. (PMDS)
2)High switching speed
3)Low forward voltage

●Construction

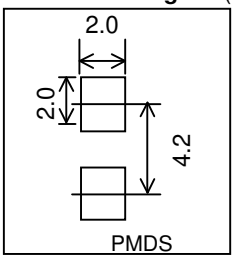
Silicon epitaxial planar

●Dimensions (Unit : mm)

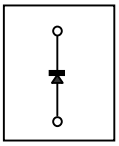


ROHM : PMDS
JEDEC : SOD-106
① ② Manufacture date

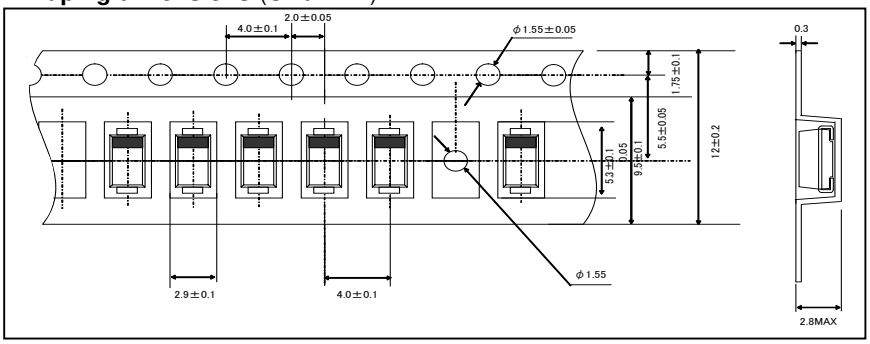
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Tl=25°C)

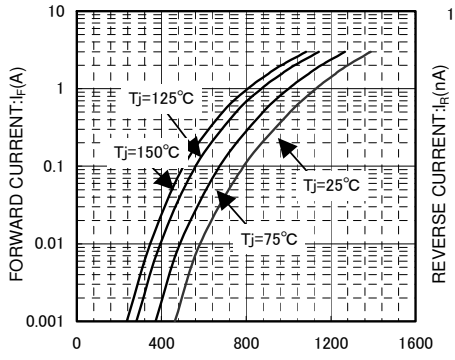
Parameter	Symbol	Limits	Unit
Repetitive peak Reverse voltage	V_{RM}	600	V
Reverse voltage	V_R	600	V
Average rectified forward current(*1)	Io	1.5	A
Forward current surge peak (60Hz,1cyc,Tj=25°C)	I_{FSM}	40	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C

(*1) Half sinwave on the Glass epoxy substrate (size : 50mm×50mm),Tc=90 °CMax.

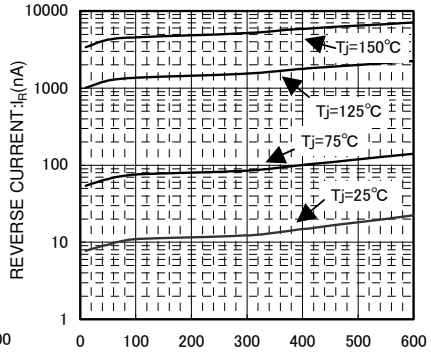
●Electrical characteristics (Tj=25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V_F	I_F=1.5A	-	1.25	1.55	V
Reverse current	I_R	V_R=600V	-	0.03	10	μA
Reverse recovery time	trr	I_F=0.5A,I_R=1A,Irr=0.25×I_R	-	20	35	ns
Thermal Resistance	Rth (j-l)	junction to lead	-	-	23	°C/W

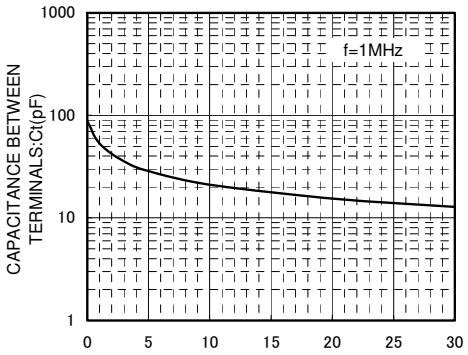
●Electrical characteristics curves



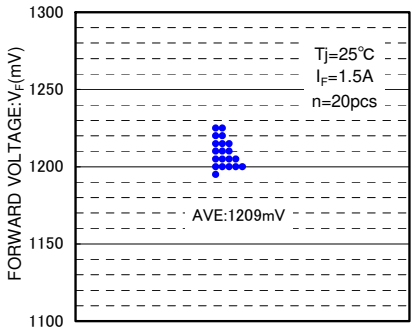
VF-IF CHARACTERISTICS



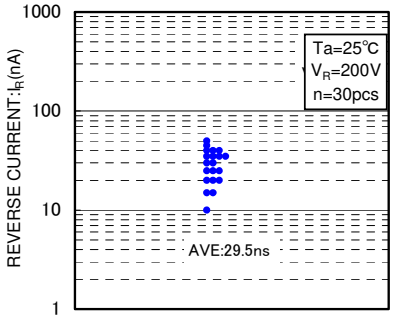
VR-IR CHARACTERISTICS



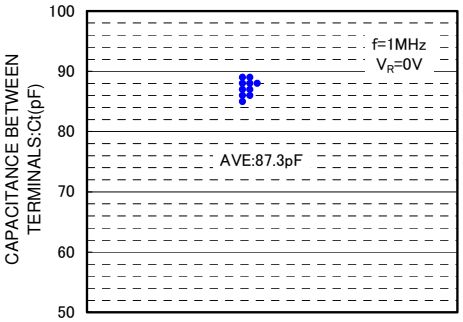
VR-Ct CHARACTERISTICS



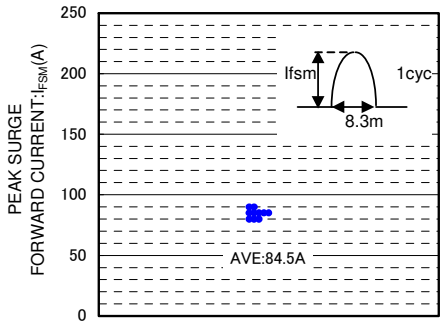
VF DISPERSION MAP



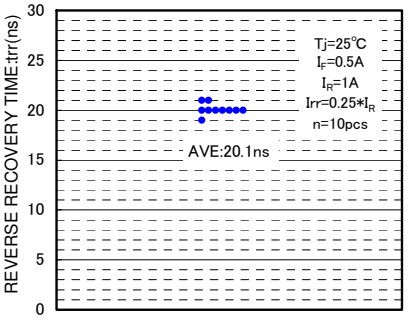
IR DISPERSION MAP



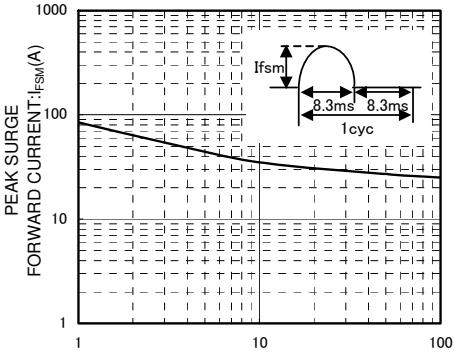
Ct DISPERSION MAP



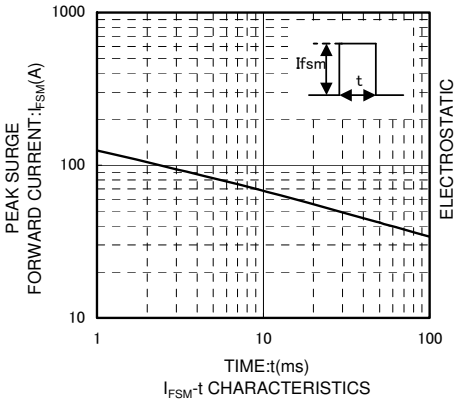
IFSM DISPERSION MAP



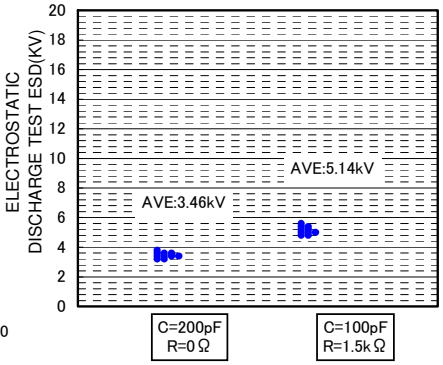
trr DISPERSION MAP



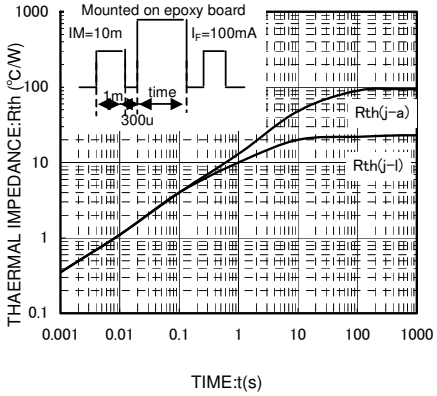
IFSM-CYCLE CHARACTERISTICS



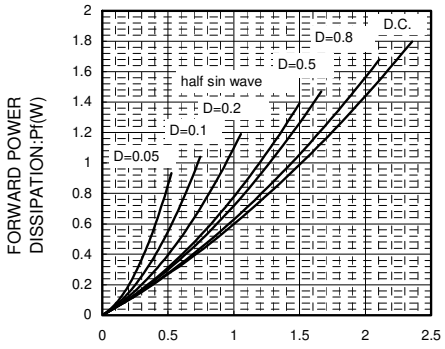
IFSM-t CHARACTERISTICS



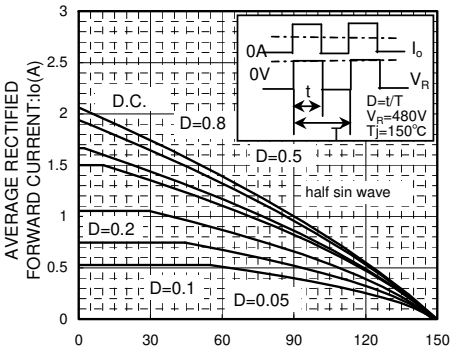
ESD DISPERSION MAP



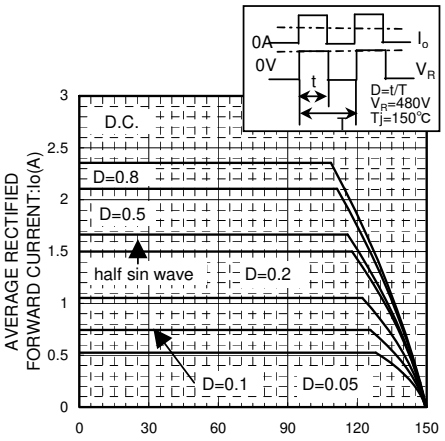
Rth-t CHARACTERISTICS



AVERAGE RECTIFIED
FORWARD CURRENT : Io(A)
Io-Pf CHARACTERISTICS



AMBIENT TEMPERATURE:Ta(℃)
Derating Curve* (Io-Ta)



LEAD TEMPARATURE:Tl(℃)
Derating Curve* (Io-Tl)

Notes

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