

RB521S-30

Low current rectification

- 1) Ultra Small mold type. (EMD2)
- 2) Low V_F
- 3) High reliability.

Silicon epitaxial planar

Top view dimensions:

- Overall width: 0.8 ± 0.05
- Overall height: 1.6 ± 0.1
- Central rectangular area height: 1.2 ± 0.05
- Bottom mounting tab width: 0.3 ± 0.05

Side view dimensions:

- Maximum height: 0.12 ± 0.05
- Bottom mounting tab width: 0.6 ± 0.1

Legend:

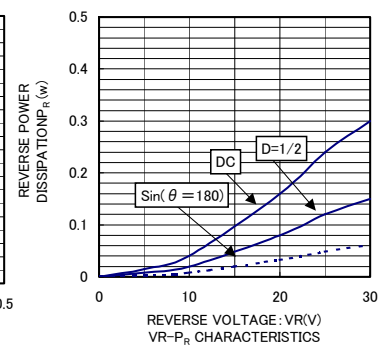
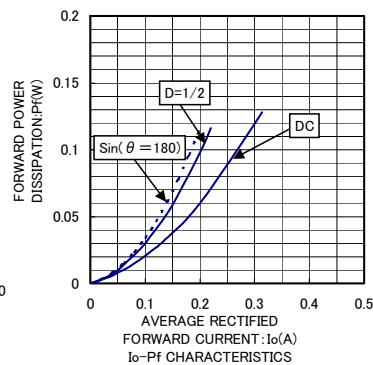
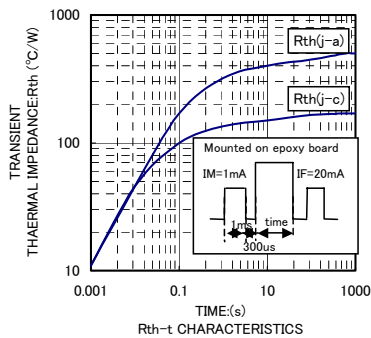
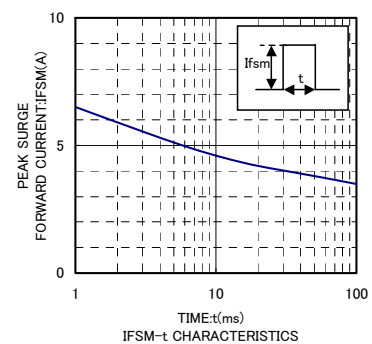
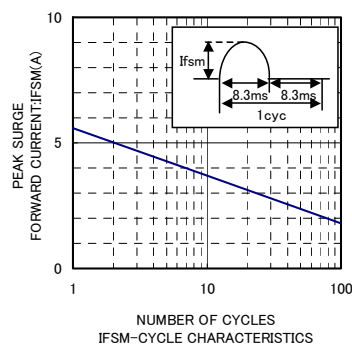
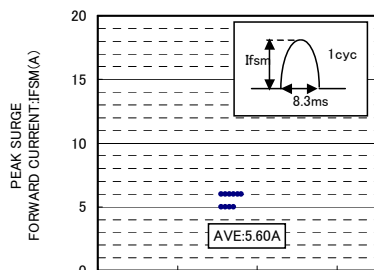
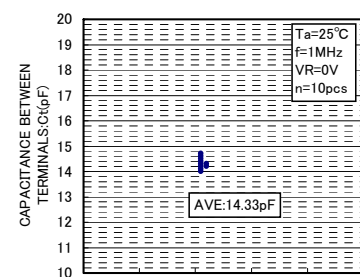
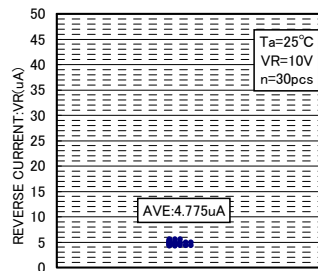
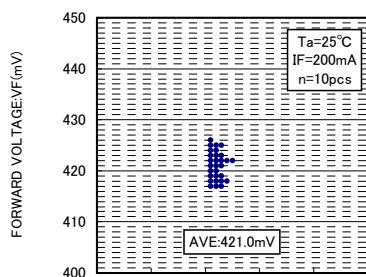
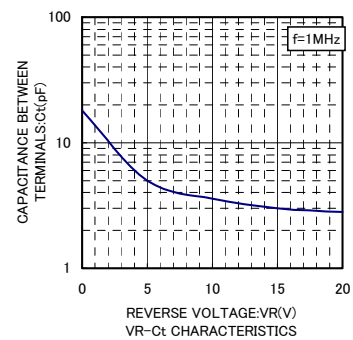
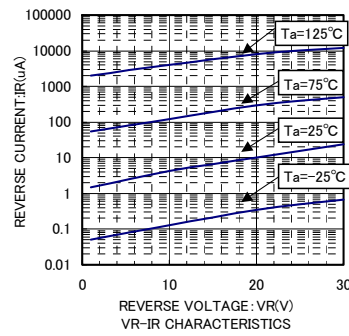
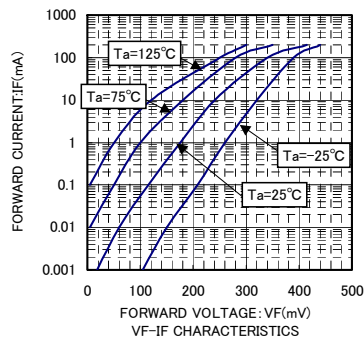
- ROHM : EMD2
- JEDEC : SOD-523
- JEITA : SC-79
- dot (year week factory)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	200	mA
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

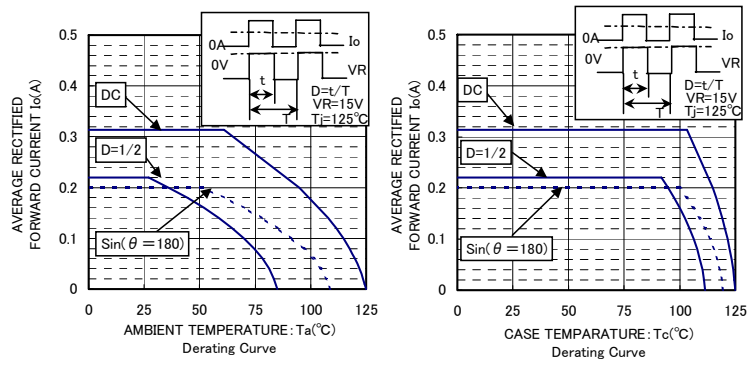
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.50	V	$I_F=200mA$
Reverse current	I_R	-	-	30	μA	$V_R=10V$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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