

RSX051VA-30

General rectification.

- 1) Small mold type. (TUMD2)
- 2) Low V_F
- 3) High reliability.

Silicon epitaxial planar

Top view dimensions:

- Top width: 1.3 ± 0.05
- Bottom width: 0.8 ± 0.05
- Left height: 1.9 ± 0.1
- Right height: 2.5 ± 0.2

Side view dimensions:

- Top thickness: 0.17 ± 0.1
- Bottom thickness: 0.6 ± 0.2
- Bottom thickness tolerance: 0.1

ROHM : TUMD2

dot (year week factory) + day

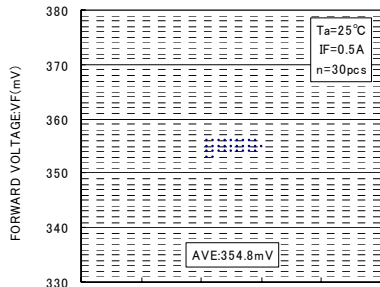
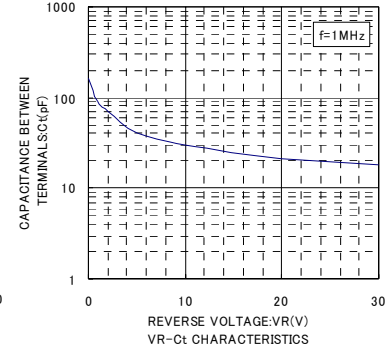
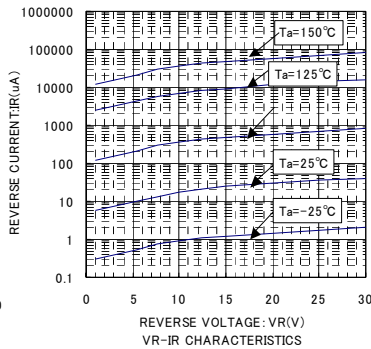
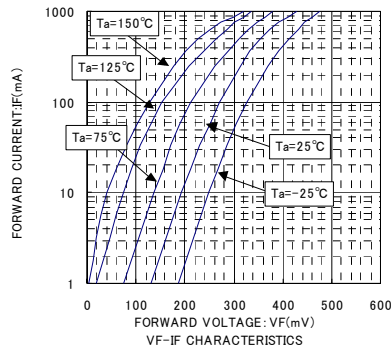
TUMD2

[illegible]

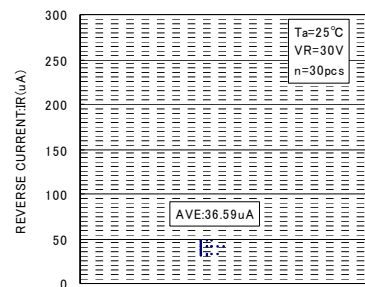
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	500	mA
Forward current surge peak	I_{FSM}	5	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.35	0.39	V	$I_F=500mA$
Reverse current	I_R	-	40	200	μA	$V_R=30V$

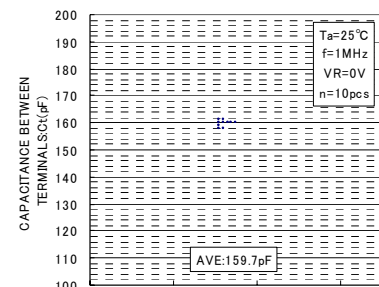
Diodes



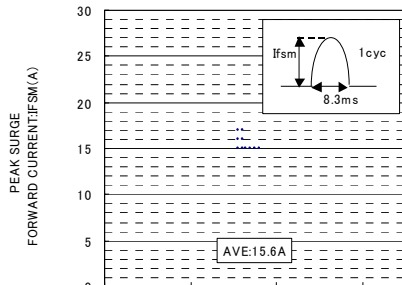
VF DISPERSION MAP



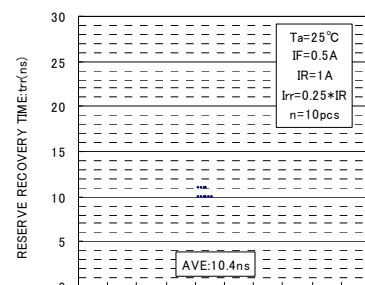
IR DISPERSION MAP



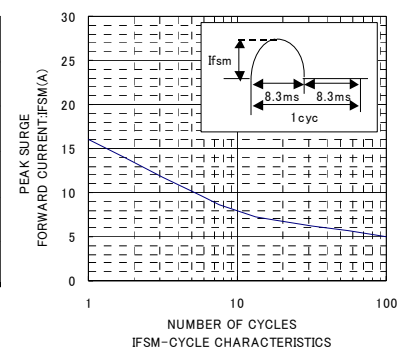
Ct DISPERSION MAP



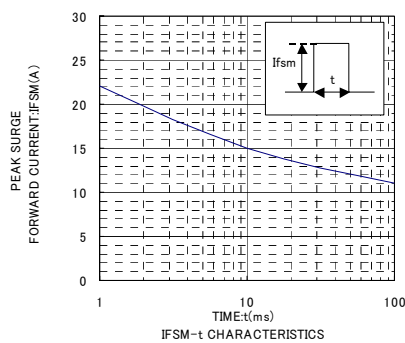
IFSM DISPERSION MAP



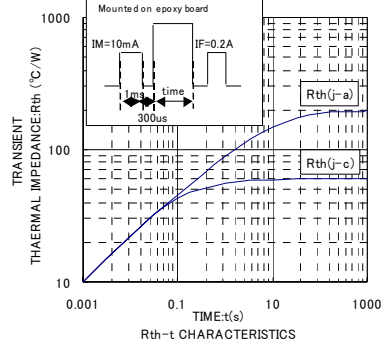
trr DISPERSION MAP



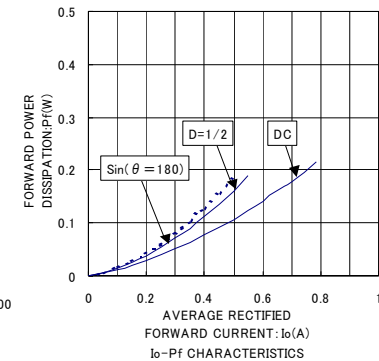
IFSM-CYCLE CHARACTERISTICS



IFSM-t CHARACTERISTICS

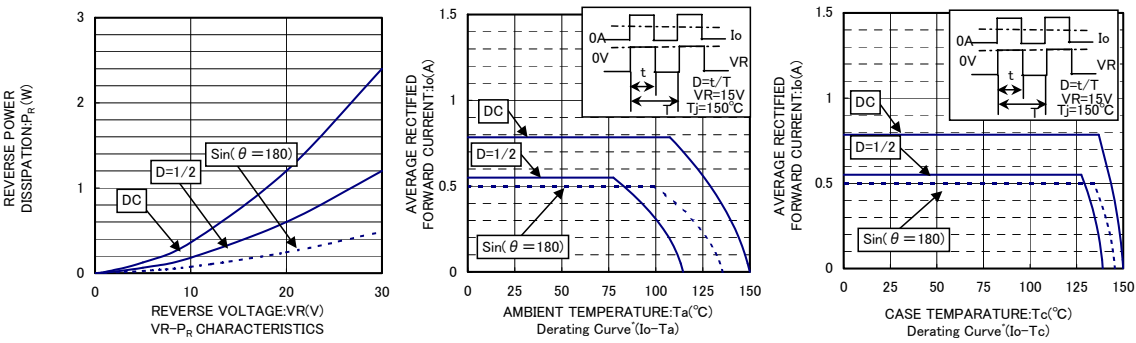


Rth-t CHARACTERISTICS



Io-Pf CHARACTERISTICS

Diodes



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