

RB717F

Low current rectification

- 1) Small mold type. (UMD3)
- 2) Low V_F
- 3) High reliability.

Silicon epitaxial planar

2.0 ± 0.2

0.3 ± 0.1

Each lead has same dimension

0.15 ± 0.05

(3)

2.25 ± 0.1

2.14 ± 0.1

3E

(2)

(0.65)

(0.65)

1.3 ± 0.1

(1)

0 ± 0.1

0.18 ± 0.1

0.7 ± 0.1

0.9 ± 0.1

ROHM : UMD3
JEDEC : SOT-323
JEITA : SC-70

dot (year week factory)

UMD3

Technical drawing of a mechanical part, showing a side view and a cross-section. The side view includes dimensions: 4.0 ± 0.1, 2.0 ± 0.05, 2.25 ± 0.1, 4.0 ± 0.1, 0.5 ± 0.05, 2.4 ± 0.1, 3.5 ± 0.05, 1.75 ± 0.1, 8.0 ± 0.2, and 0.3 ± 0.1. The cross-section shows a central hole with a diameter of 0.5 ± 0.05 and a hole with a diameter of 1.55 ± 0.05. The drawing also shows a central hole with a diameter of 0.5 ± 0.05 and a hole with a diameter of 1.55 ± 0.05.

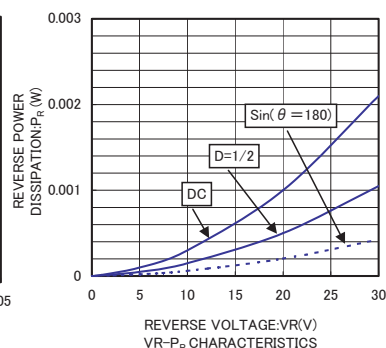
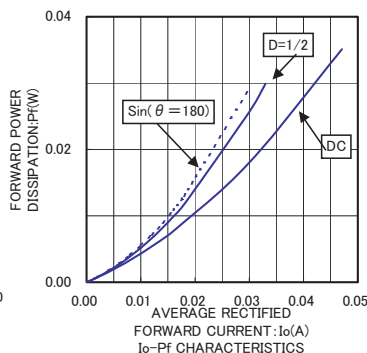
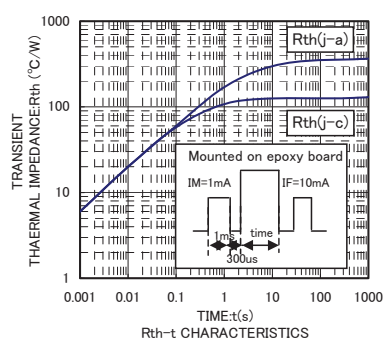
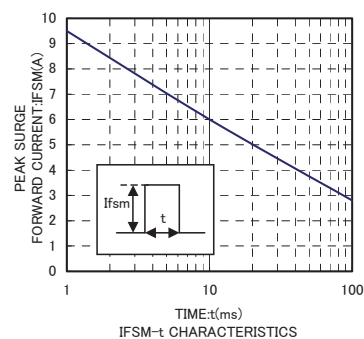
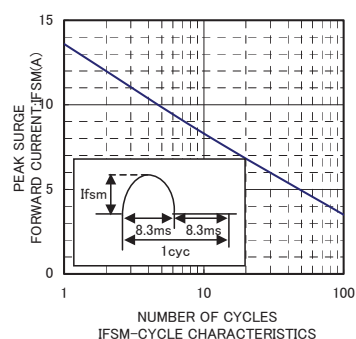
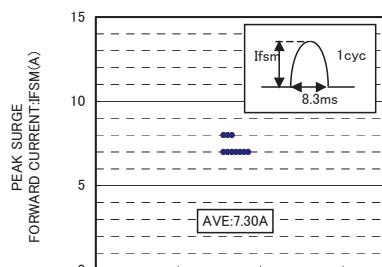
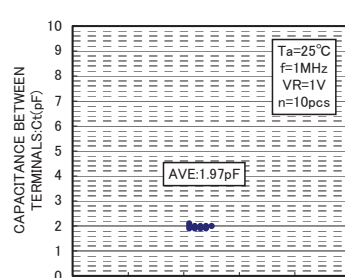
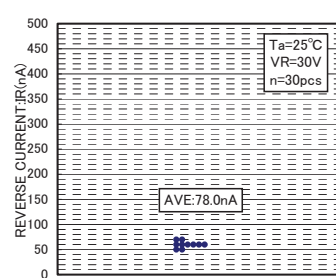
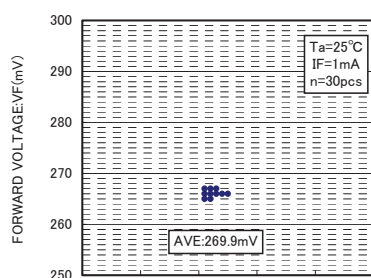
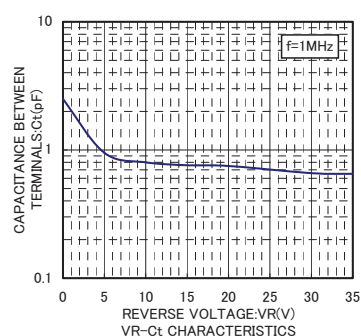
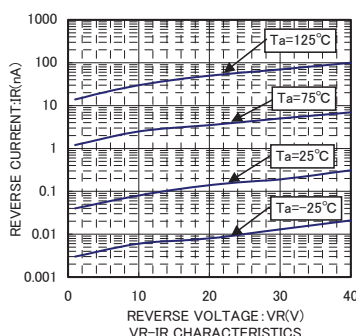
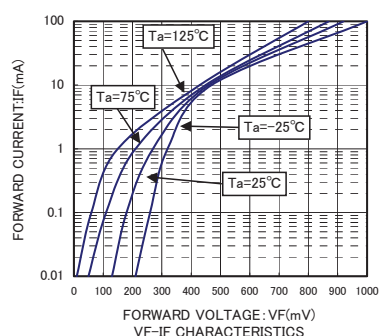
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	I_o	30	mA
Forward current surge peak (60Hz•1cyc) (*1)	I_{FSM}	200	mA
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

(*1) Rating of per diode

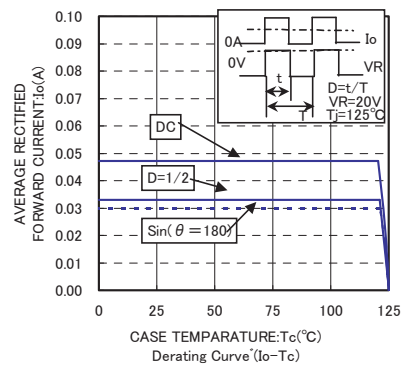
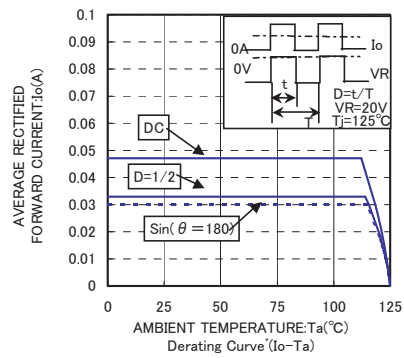
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.37	V	$I_F=1\text{mA}$
Reverse current	I_R	-	-	1	μA	$V_R=10\text{V}$
Capacitance between terminals	C_t	-	2.0	-	pF	$V_R=1\text{V}, f=1\text{MHz}$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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