

RB160L-40

General rectification

- 1) Small power mold type. (PMDS)
- 2) Low I_R .
- 3) High reliability.

Silicon epitaxial planar

ROHM: PMDS
JEDEC: SOD-106

① ② Manufacture Date

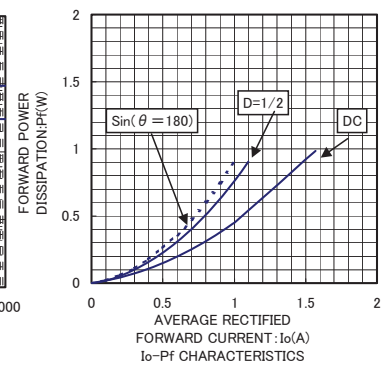
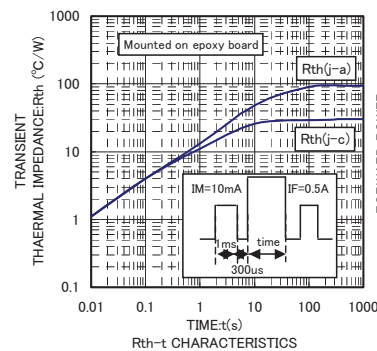
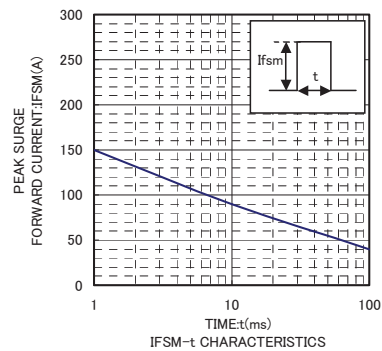
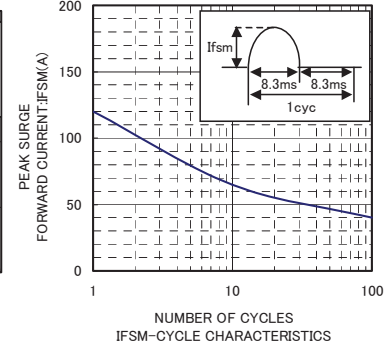
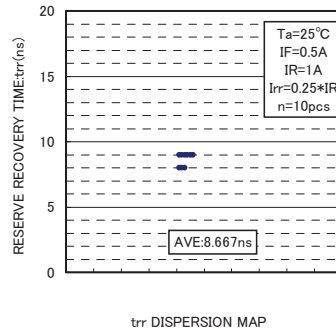
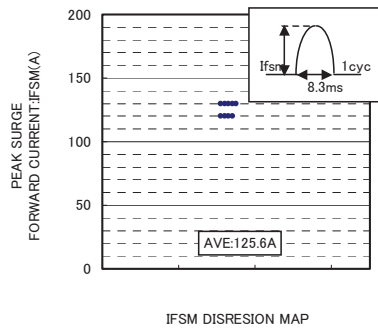
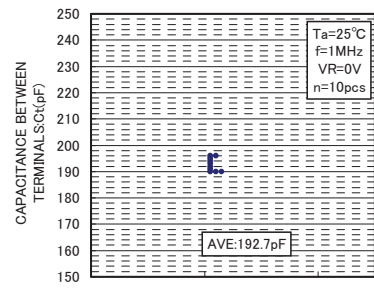
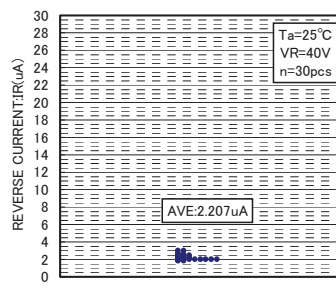
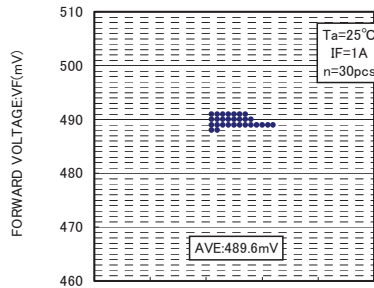
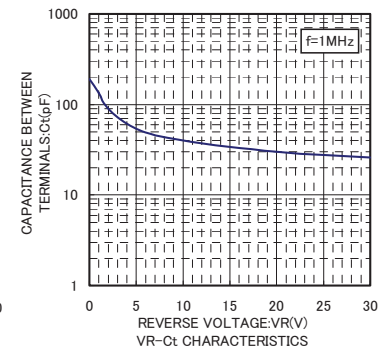
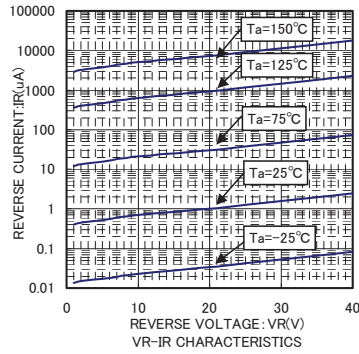
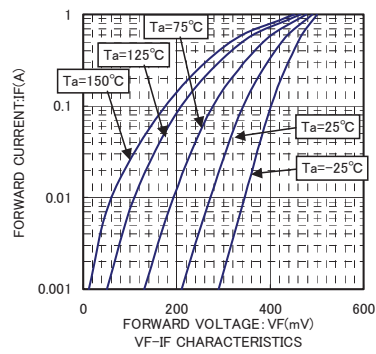
Technical drawing of a 2.8MA cable. The main view shows a longitudinal section with dimensions: 4.0 ± 0.1 , 2.0 ± 0.05 , $\phi 1.55 \pm 0.05$, 1.78 ± 0.1 , 5.5 ± 0.05 , 9.5 ± 0.1 , 12 ± 0.2 , 3.3 ± 0.1 , 0.05 , 2.9 ± 0.1 , and 4.0 ± 0.1 . A detail view shows a cross-section of the cable with a diameter of $\phi 1.55$ and a thickness of 0.3 . The cable is labeled 2.8MA.

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	1	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	70	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

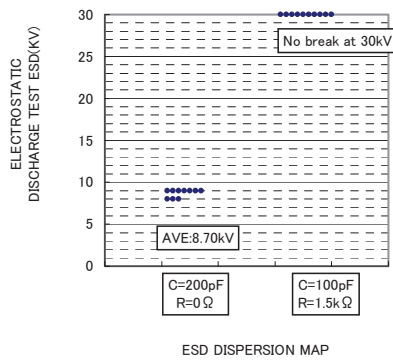
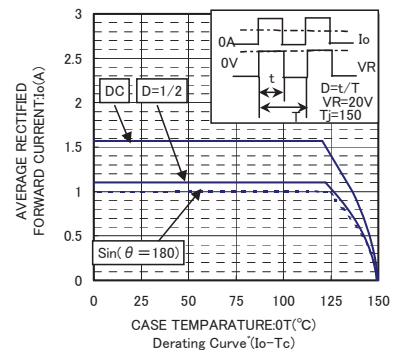
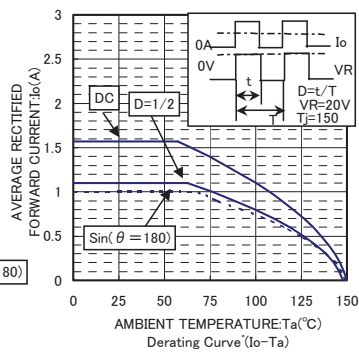
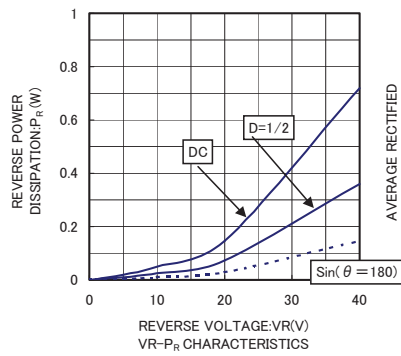
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.55	V	$I_F=1.0A$
Reverse current	I_{R1}	-	-	10	μA	$V_R=6V$
	I_{R2}	-	-	100	μA	$V_R=40V$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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