

# Rectifier diode

1SR139-600

●Applications

General rectification

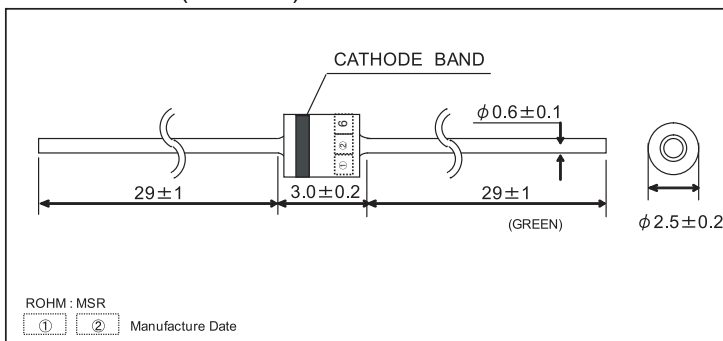
●Features

- 1) Cylindrical mold. (MSR)
- 2) High reliability.

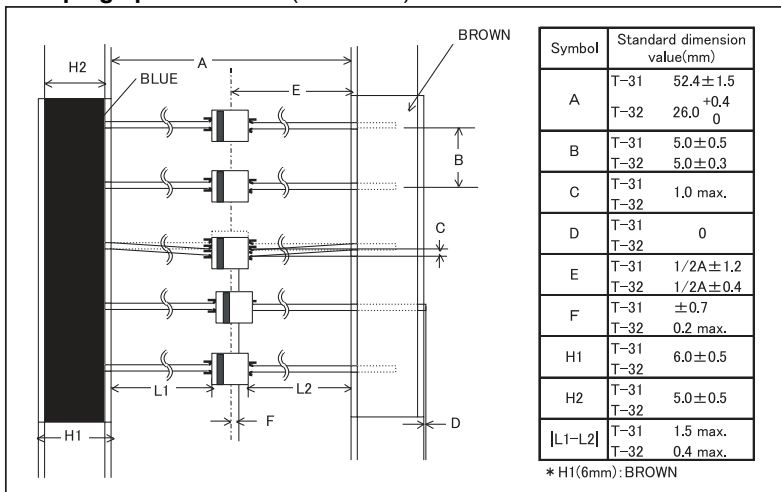
●Construction

Silicon diffused junction

●Dimensions (Unit : mm)



●Taping specifications (Unit : mm)



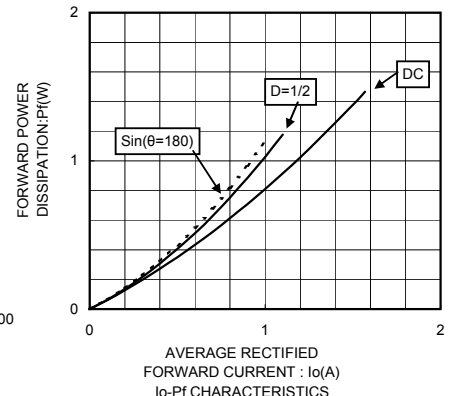
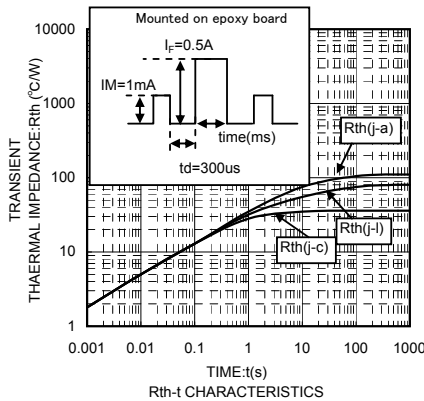
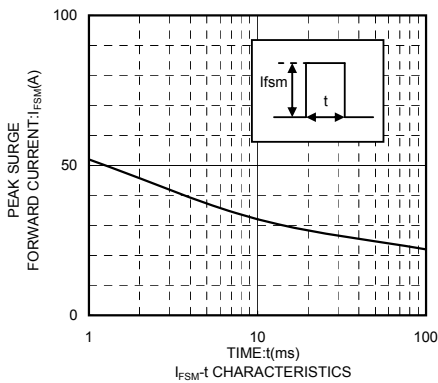
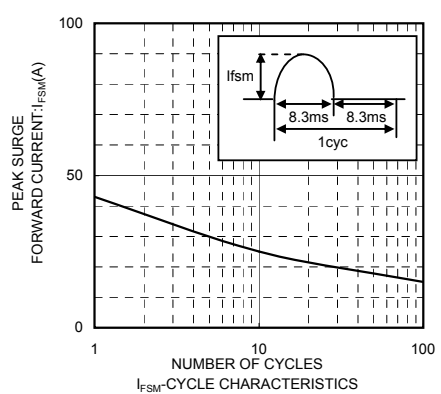
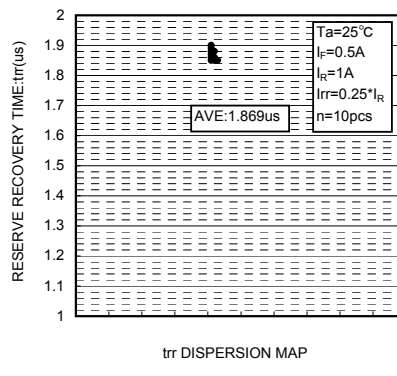
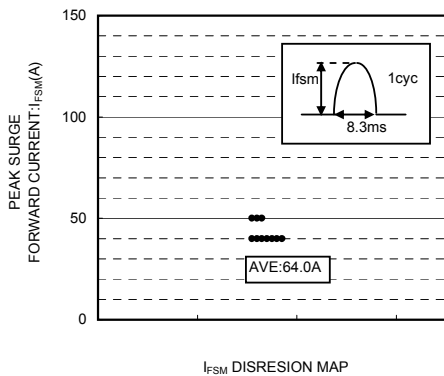
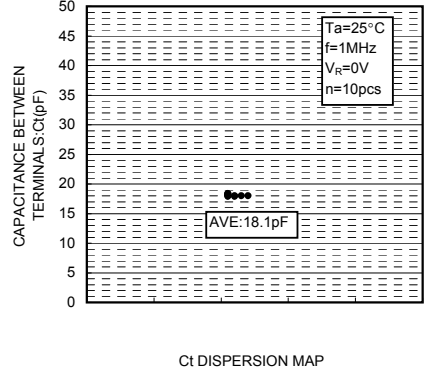
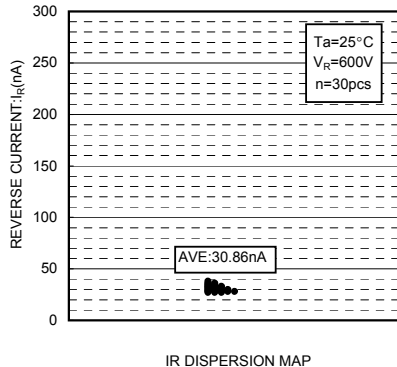
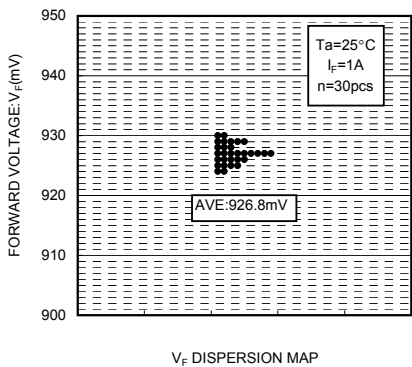
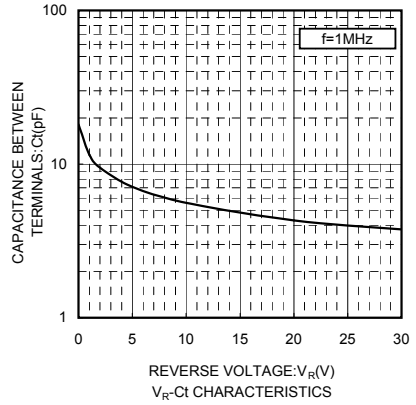
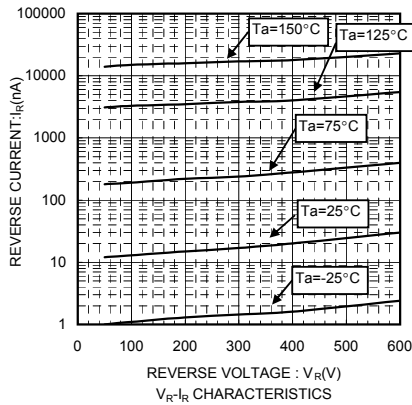
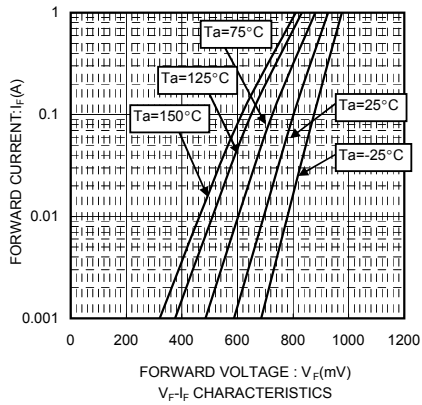
●Absolute maximum ratings (Ta=25°C)

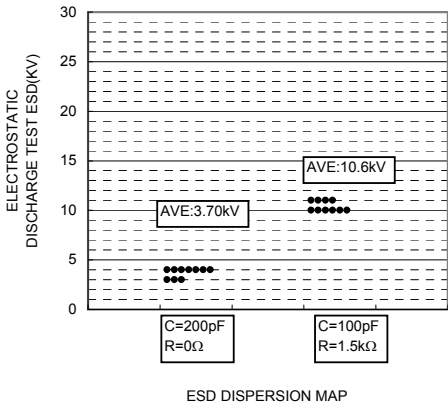
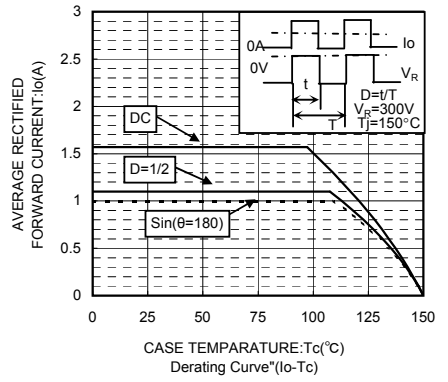
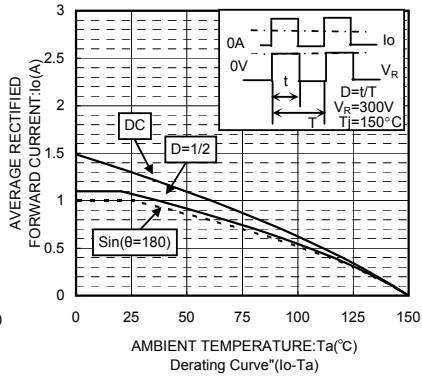
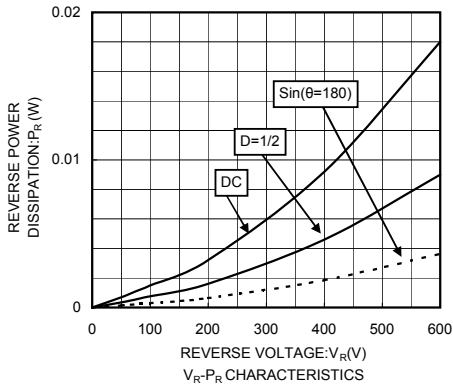
Parameter	Symbol	Limits	Unit
Absolute peak reverse voltage	$V_{RMS}$	750	V
Reverse voltage (repetitive peak)	$V_R$	600	V
Average rectified forward current	$I_o$	1	A
Forward current surge peak (60Hz / 1cyc)	$I_{FSM}$	40	A
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-40 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	1.1	V	$I_F=1.0A$
Reverse current	$I_R$	-	-	10	μA	$V_R=600V$

●Electrical characteristics curves





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