

Rectifier diode

1SR139-600

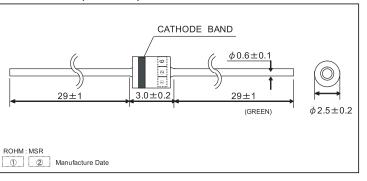
Applications

•Construction Silicon diffused junction

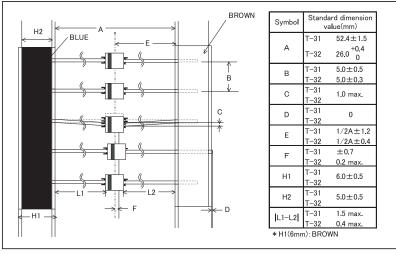
General rectification

•Features 1) Cylindrical mold. (MSR) 2) High reliability.

•Dimensions (Unit : mm)



• **Taping specifications** (Unit : mm)



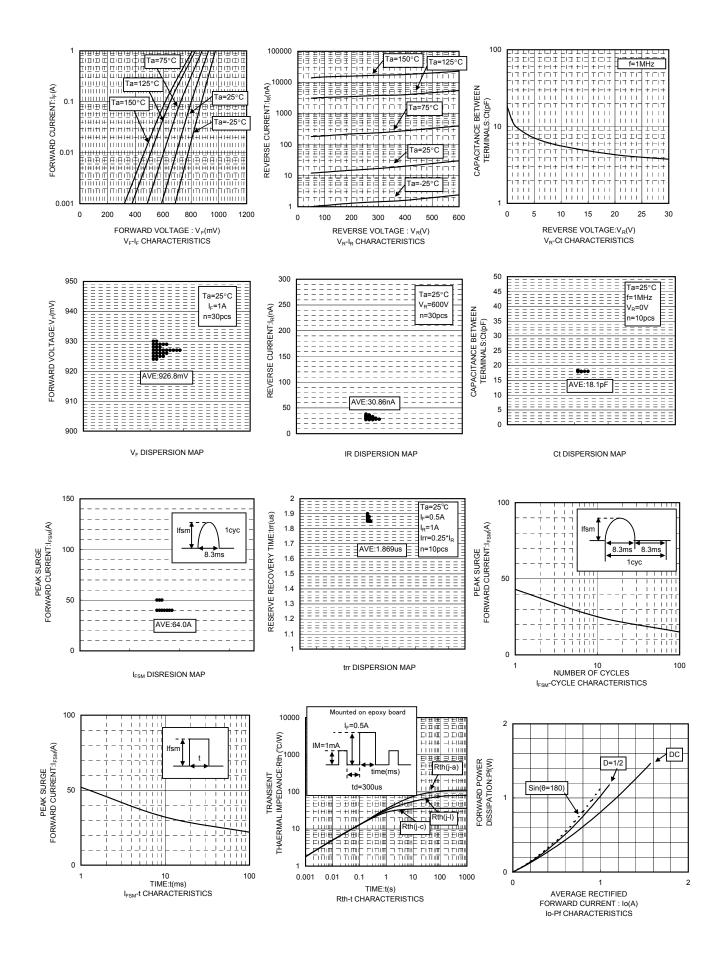
•Absolute maximum ratings (Ta=25°C)

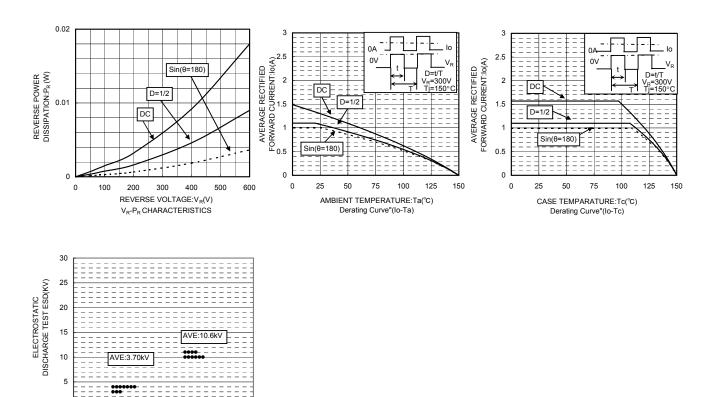
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Parameter	Symbol	Limits	Unit
Absolute peak reverse voltage	V _{RMS}	750	V
Reverse voltage (repetitive peak)	V _R	600	V
Average rectified forward current	lo	1	A
Forward current surge peak (60Hz / 1cyc)	I _{FSM}	40	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	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





C=200pF R=0Ω C=100pF R=1.5kΩ

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ESD DISPERSION MAP

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