

Rectifier diode

1SR139-400

Applications

High speed rectification

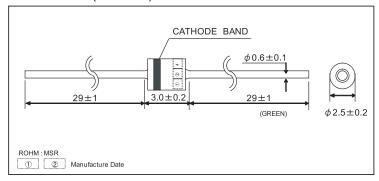
● Features

- 1) Cylindrical mold. (MSR)
- 2) High reliability.
- 3) Fast recovery speed.

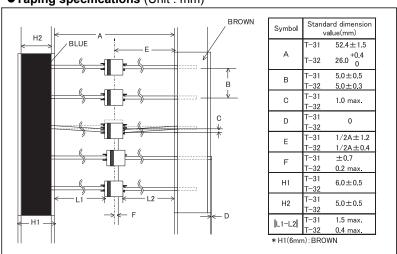
●Construction

Silicon diffused junction

●Dimensions (Unit: mm)



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

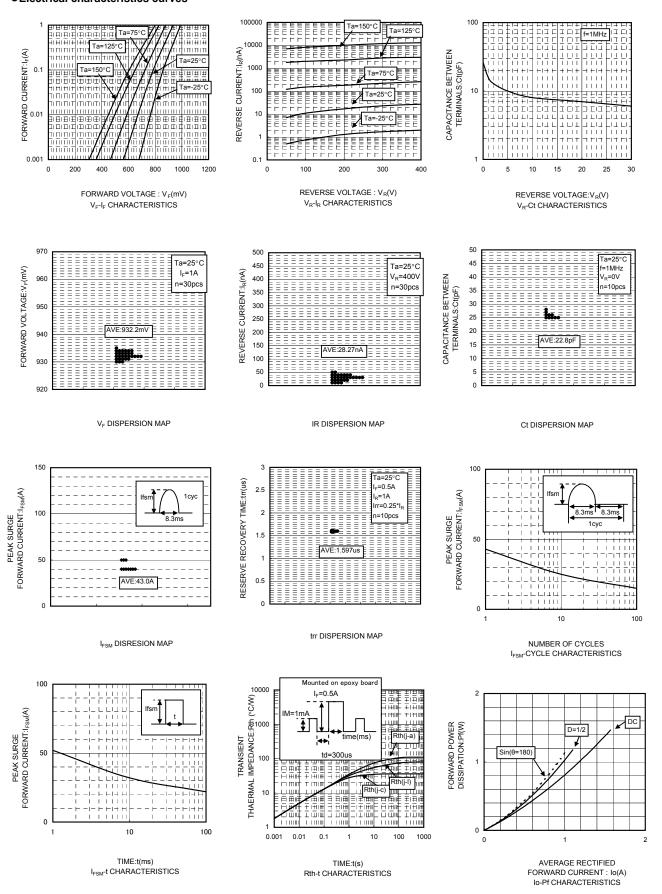
Parameter	Symbol	Symbol Limits	
Absolute peak reverse voltage	V_{RMS}	500	V
Reverse voltage (repetitive peak)	V_R	400	V
Average rectified forward current (*1)	lo	1	Α
Forward current surge peak (60Hz / 1cyc)	I _{FSM}	40	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

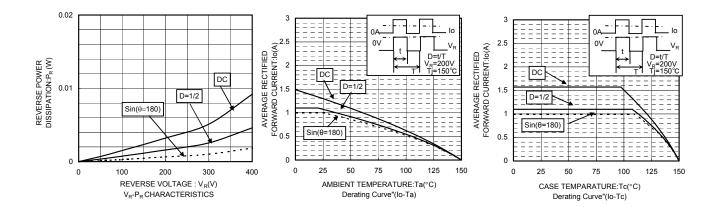
^(*1)Mounting on alumina board

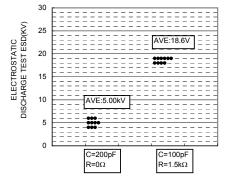
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	1.1	V	I _F =1.0A
Reverse current	I _R	1	-	10	μΑ	V _R =400V

Electrical characteristics curves







ESD DISPERSION MAP

Notes

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