Rectifier diode

1SR139-400

Applications

High speed rectification

Features

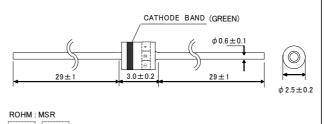
1) Cylindrical mold. (MSR)

- 2) High reliability.
- 3) Fast recovery speed.

Construction

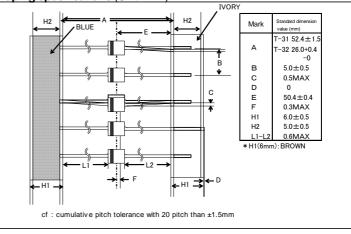
Silicon diffused junction

•External dimensions (Unit : mm)



① ② Manufacture Date

•Taping specifications (Unit : mm)



•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Absolute peak reverse voltage	V _{RMS}	500	V
Reverse voltage (repetitive peak)	V _R	400	V
Average rectified forward current (*1)	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

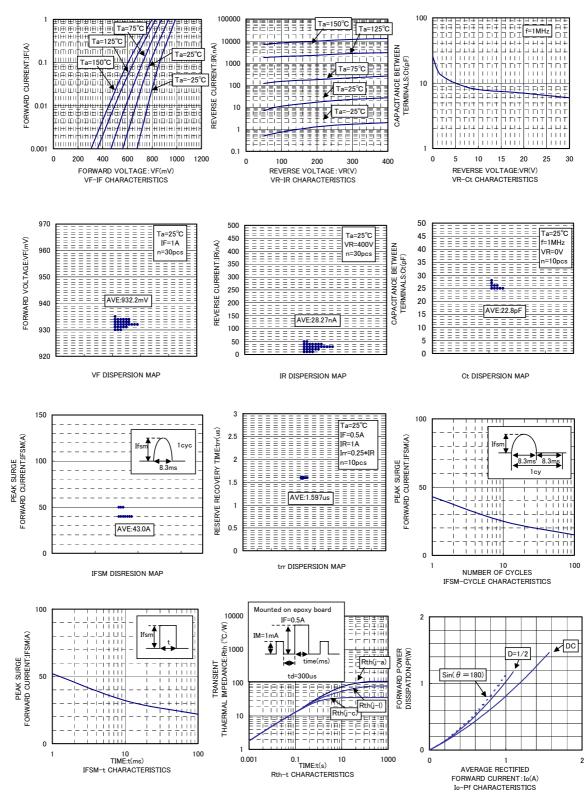
(*1) Mounting on alumina board

•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	-	-	10	uA	V _R =400V

Diodes

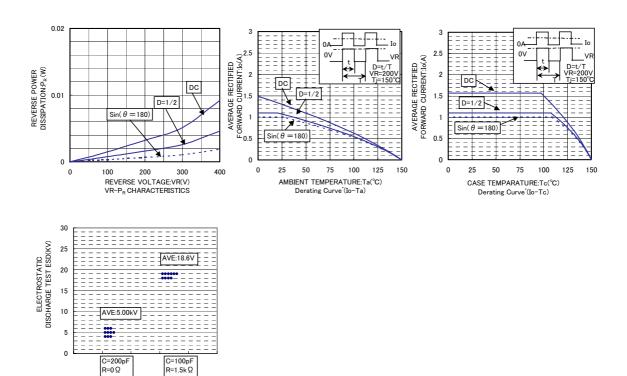




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Rev.A 2/3

ESD DISPERSION MAP



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