# Rectifier diode

# 1SR139-400

# Applications

High speed rectification

#### Features

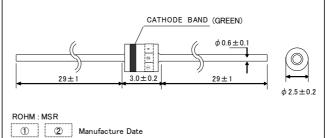
1) Cylindrical mold. (MSR)

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

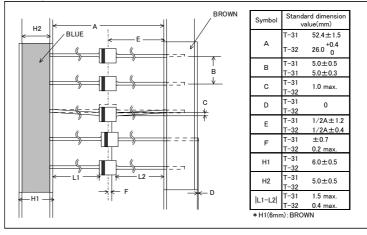
#### Construction

Silicon diffused junction

# •External dimensions (Unit : mm)



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



#### •Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Absolute peak reverse voltage	V <sub>RMS</sub>	500	V
Reverse voltage (repetitive peak)	V <sub>R</sub>	400	V
Average rectified forward current (*1)	lo	1	A
Forward current surge peak (60Hz · 1cyc)	I <sub>FSM</sub>	40	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

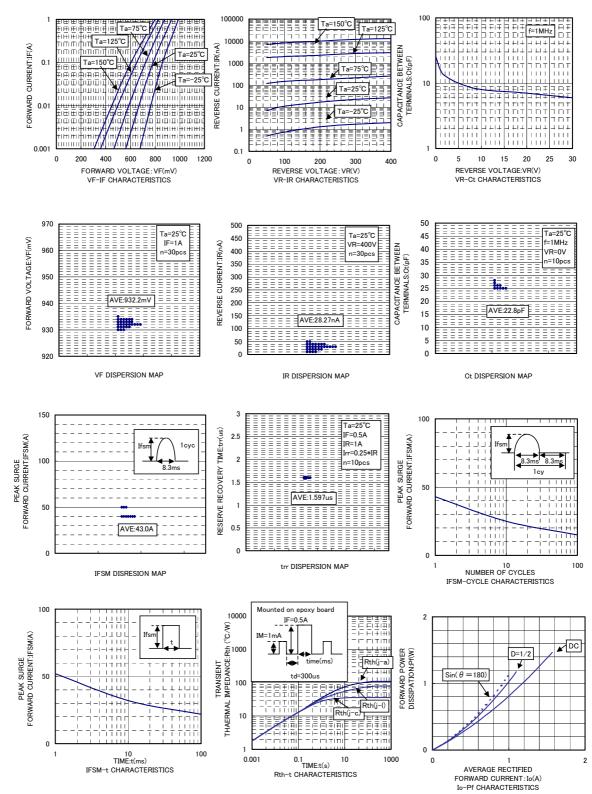
(\*1) Mounting on alumina board

# •Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	1.1	V	I <sub>F</sub> =1.0A
Reverse current	I <sub>R</sub>	-	-	10	uA	V <sub>R</sub> =400V

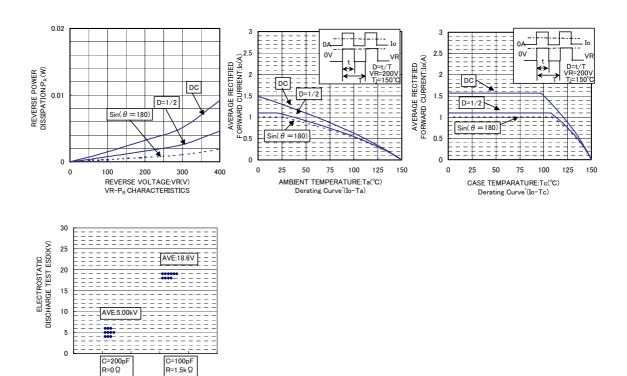
# Diodes





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ESD DISPERSION MAP



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