

# **Rectifier diode**

# 1SR139-600

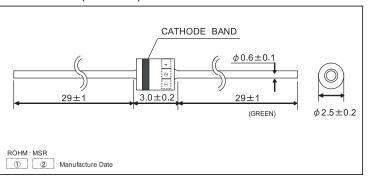
## Applications

•Construction Silicon diffused junction

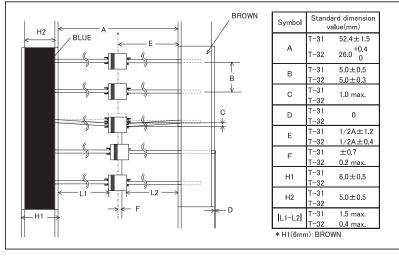
General rectification

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

# •Dimensions (Unit : mm)



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



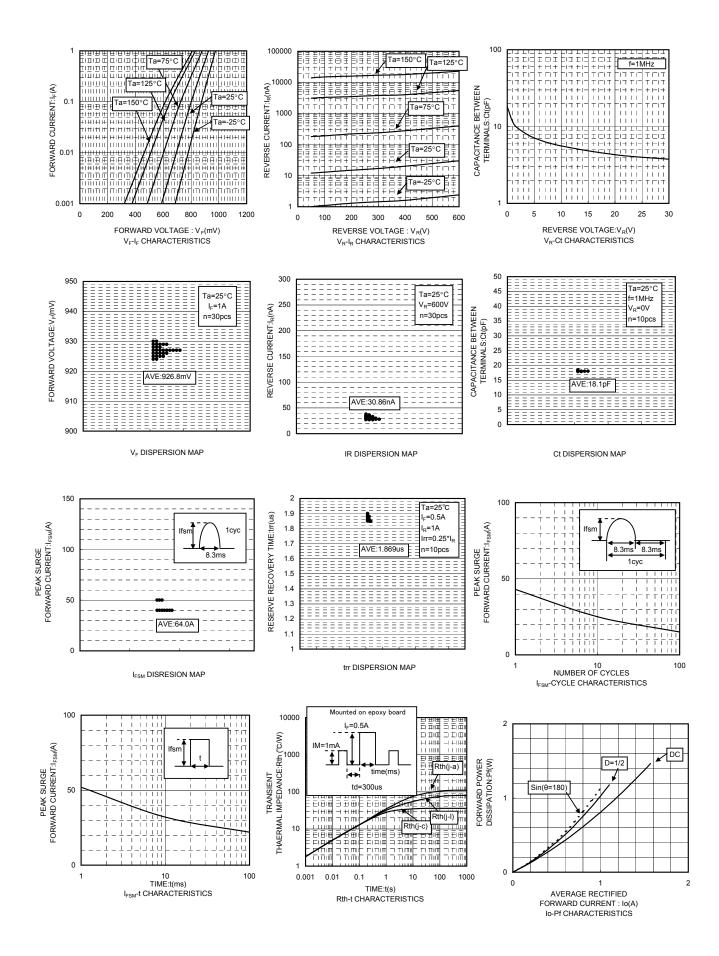
# •Absolute maximum ratings (Ta=25°C)

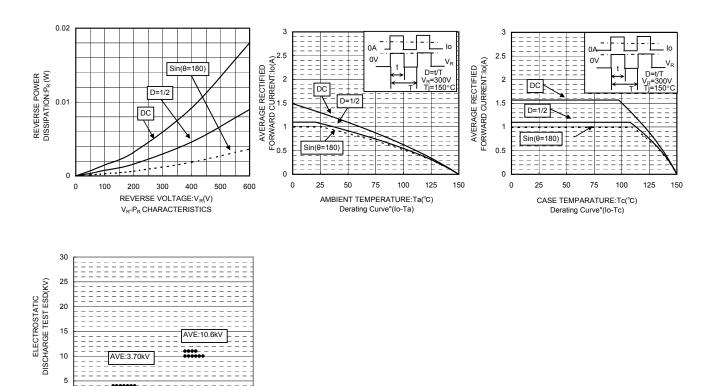
Parameter	Symbol	Limits	Unit
Absolute peak reverse voltage	V <sub>RMS</sub>	750	V
Reverse voltage (repetitive peak)	V <sub>R</sub>	600	V
Average rectified forward current	lo	1	А
Forward current surge peak (60Hz / 1cyc)	I <sub>FSM</sub>	40	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40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

## •Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	1.1	V	I <sub>F</sub> =1.0A
Reverse current	I <sub>R</sub>	-	-	10	μA	V <sub>R</sub> =600V

#### Electrical characteristics curves





 C=200pF
 C=100pF

 R=0Ω
 R=1.5kΩ

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ESD DISPERSION MAP

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