Rectifier diode

1SR139-400

Applications

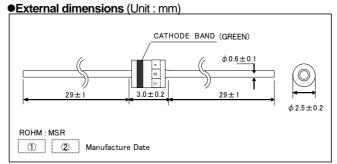
High speed rectification

Features

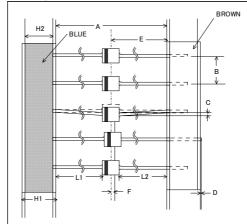
- 1) Cylindrical mold. (MSR)
- 2) High reliability.
- 3) Fast recovery speed.

●Construction

Silicon diffused junction



● Taping specifications (Unit : mm)



52.4±1.5 26.0 +0.4 26.0 ±0.5 5.0±0.3 1.0 max. 0	
26.0 0 5.0±0.5 5.0±0.3 1.0 max.	
5.0±0.3 1.0 max.	
1.0 max.	
0	
0	
-	
-	
$1/2\Delta + 12$	
1/2/1-1.2	
1/2A±0.4	
±0.7	
0.2 max.	
6.0±0.5	
0.0 ± 0.0	
5.0±0.5	
3.0±0.3	
1.5 max.	

●Absolute maximum ratings (Ta=25°C)

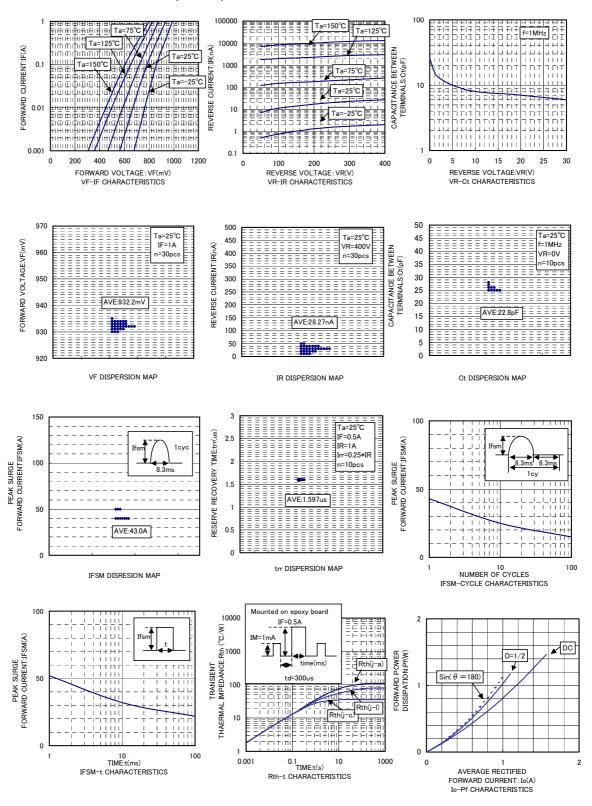
Parameter	Symbol Limits		Unit
Absolute peak reverse voltage	V_{RMS}	500	V
Reverse voltage (repetitive peak)	V_R	400	V
Average rectified forward current (*1)	lo	1	Α
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	40	Α
Junction temperature	Τj	150	°C
Storage temperature	Tstg	-40 to +150	°C

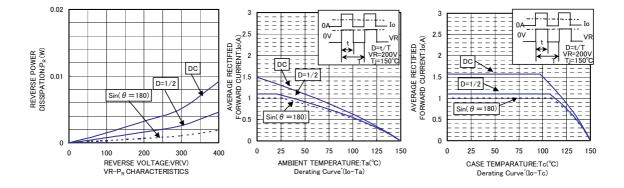
^(*1) Mounting on alumina board

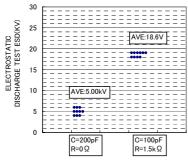
●Electrical characteristics (Ta=25°C)

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

●Electrical characteristic curves (Ta=25°C)







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