Rectifier diode

1SR139-400

Applications

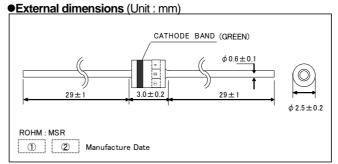
High speed rectification

Features

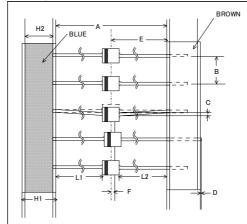
- 1) Cylindrical mold. (MSR)
- 2) High reliability.
- 3) Fast recovery speed.

●Construction

Silicon diffused junction



● Taping specifications (Unit : mm)



Symbol	Standard dimension value(mm)				
А	T-31	52.4±1.5			
	T-32	26.0 +0.4			
В	T-31	5.0±0.5			
	T-31	5.0 ± 0.3			
С	T-31	1.0 max.			
	T-32	1.0 max.			
D	T-31	0			
D	T-32	•			
E	T-31	$1/2A \pm 1.2$			
	T-32	$1/2A \pm 0.4$			
F	T-31	±0.7			
	T-32	0.2 max.			
H1	T-31	6.0±0.5			
	T-32	0.0 ± 0.5			
H2	T-31	5.0±0.5			
	T-32	J.U = U.J			
L1-L2	T-31	1.5 max.			
	T-32	0.4 max.			

●Absolute maximum ratings (Ta=25°C)

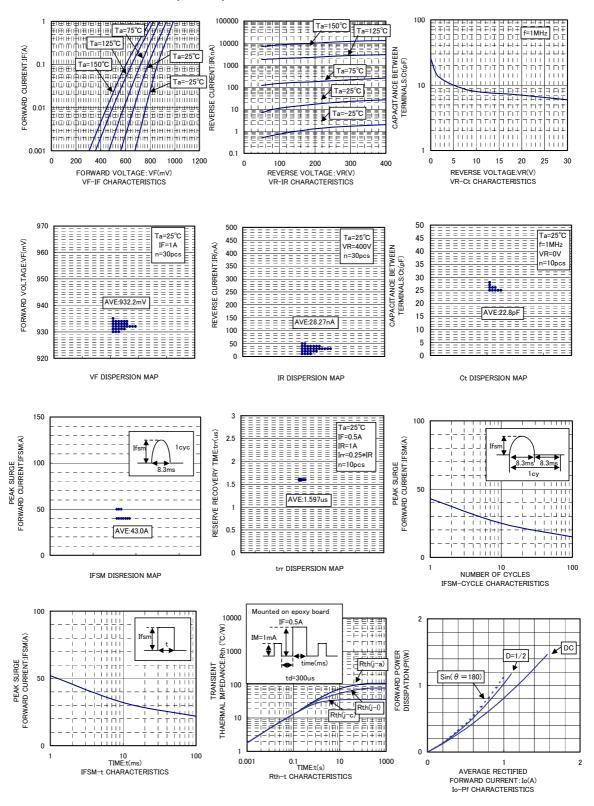
Parameter	Symbol	Limits	Unit
Absolute peak reverse voltage	V_{RMS}	500	V
Reverse voltage (repetitive peak)	V_R	400	V
Average rectified forward current (*1)	lo	1	Α
Forward current surge peak (60Hz • 1cyc)	I _{FSM}	40	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

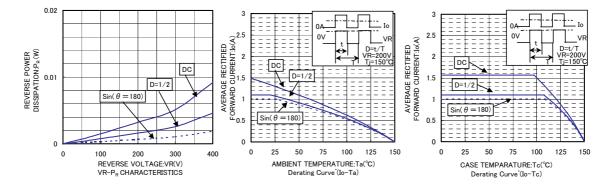
^(*1) Mounting on alumina board

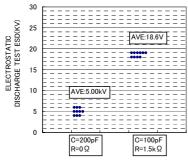
●Electrical characteristics (Ta=25°C)

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

●Electrical characteristic curves (Ta=25°C)







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