Rectifier diode

1SR153-400

Applications

For fast rectifier

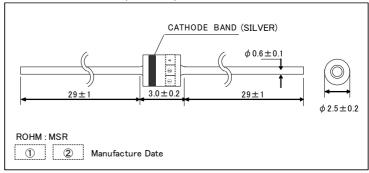
Features

- 1) Cylindrical mold type. (MSR)
- 2) High reliability.
- 3) High switching speed.

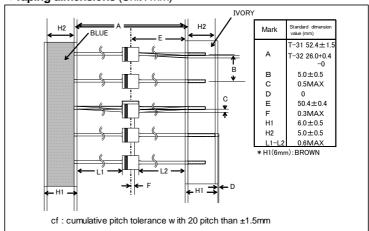
Construction

Silicon diffused junction

●External dimensions (Unit : mm)



●Taping dimensions (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

This country maximum ratings (14-20 0)						
Parameter	Symbol	Limits	Unit			
Maximum peak surge reverse voltage	V_{RMS}	500	V			
Surge reverse voltage	V_R	400	V			
Average rectified forward current (*1)	lo	1	Α			
Forward current surge peak (60Hz·1cyc)	I _{FSM}	30	Α			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-40 to +150	°C			

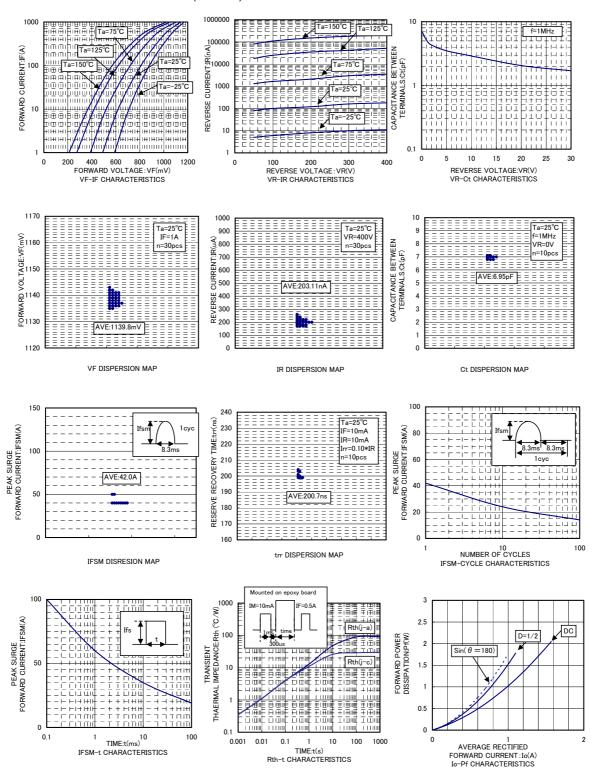
^(*1)Mounting on alumina board

●Electrical characteristics (Ta=25°C)

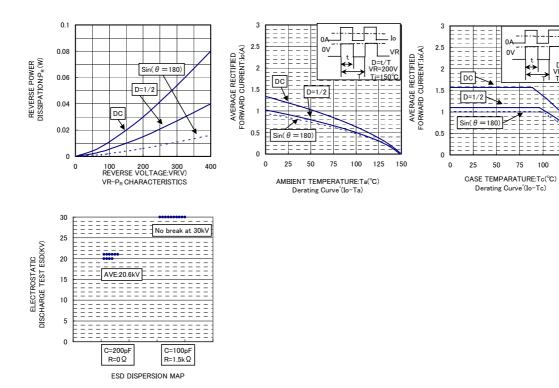
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1.3	V	I _F =0.8A
Reverse current	I _R	-	-	10	uA	V _R =400V
Reverse recovery time	trr	-	-	0.4	us	Ic=10mA.lo=10mA.lrr=1mA



●Electrical characteristic curves (Ta=25°C)



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