

Rectifier diode

1SR154-400 / 1SR154-600

●Applications

- 1) General purpose rectification
- 2) Surge absorption

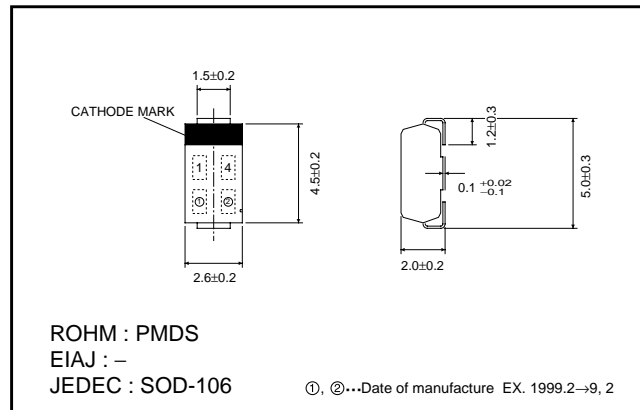
●Features

- 1) Small surface mounting type. (PMDS)
- 2) Outstanding reverse surge capability.
- 3) High reliability.

●Construction

Silicon diffused junction

●External dimensions (Units : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter		Symbol	Limits	Unit
Absolute peak reverse voltage	1SR154-400	V _{RSM}	500	V
	1SR154-600		750	
Peak reverse voltage	1SR154-400	V _{RM}	400	V
	1SR154-600		600	
Mean rectifying current *1		I _o	1.0	A
Peak forward surge current *2		I _{FSM}	30	A
Junction temperature		T _j	150	°C
Storage temperature		T _{stg}	-55~+150	°C

*1 When mounted on an alumina PCB board *2 60 Hz for 1ms

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1.1	V	I _F =1.0A
Reverse current	1SR154-400	-	-	10	μA	V _R =400V
	1SR154-600	-	-	10		V _R =600V

Diodes

●Electrical characteristic curves (Ta=25°C)

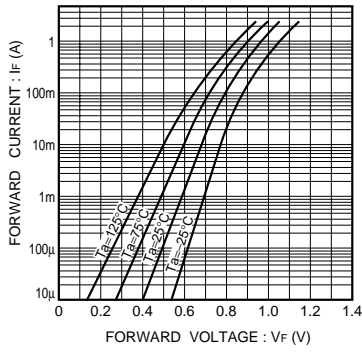


Fig. 1 Forward characteristics

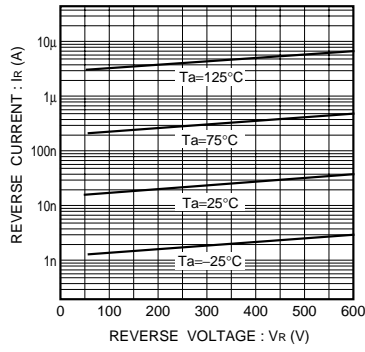


Fig. 2 Reverse characteristics

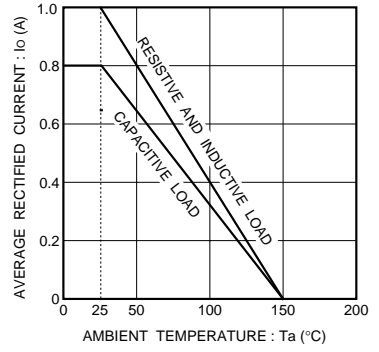


Fig. 3 Derating curve

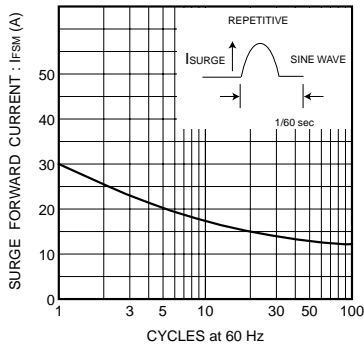


Fig. 4 Surge current characteristics (1)

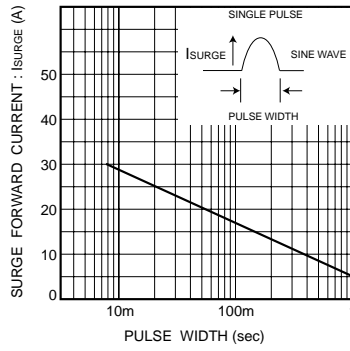


Fig. 5 Surge current characteristics (2)



LittleDiode supplies new, hard to find or obsolete electronic components and semiconductors all over the world.

With over two million different components listed you are sure to find the part you need.

Feel free to visit us today at our online store:

LittleDiode.com

Looking forward to providing you with the best possible service.