

Surface mount 400V 1.0A Ultra-fast-recovery rectifier diode

SFPL-64

Absolute maximum ratings

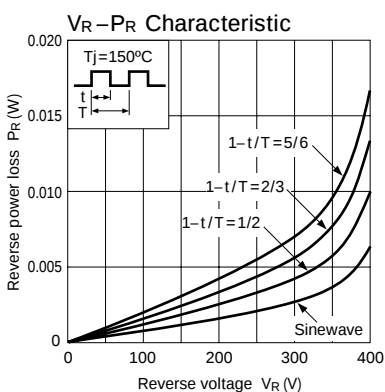
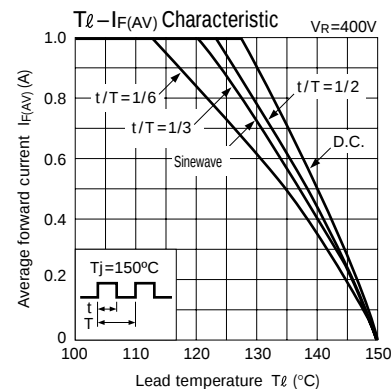
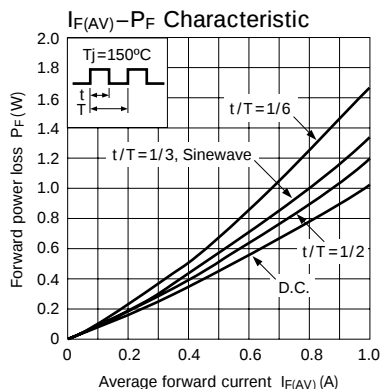
Parameter	Ratings	Unit	Conditions
V_{RM}	400	V	
$I_{F(AV)}$	1.0	A	$T_c=120^\circ\text{C}$, sinewave
I_{FSM}	25	A	Half Sinewave 10ms. One Shot
I^2t	3.125	A^2s	
T_j	-40 to +150	$^\circ\text{C}$	
T_{stg}	-40 to +150	$^\circ\text{C}$	
R	100	$\text{M}\Omega$	Between Lead and side surface of plastic body *1

*1: Surface of plastic body except for leads

Electrical characteristics

($T_a=25^\circ\text{C}$)

Parameter	Ratings	Unit	Conditions
V_F	1.3max	V	$I_F=1.0\text{A}$
I_R	10max	μA	$V_R=V_{RM}$
H.I.R	50max	μA	$T_j=150^\circ\text{C}$, $V_R=V_{RM}$
trr 1	50max	ns	$I_F=I_{RP}=100\text{mA}$, 90% Recovery Point
trr 2	30max	ns	$I_F=100\text{mA}$, $I_{RP}=200\text{mA}$, 70% Recovery Point
$R_{th(j-l)}$	20max	$^\circ\text{C/W}$	Between Junction and Lead



External dimensions (Unit: mm)

Flammability:
UL94V-0 or equivalent

