

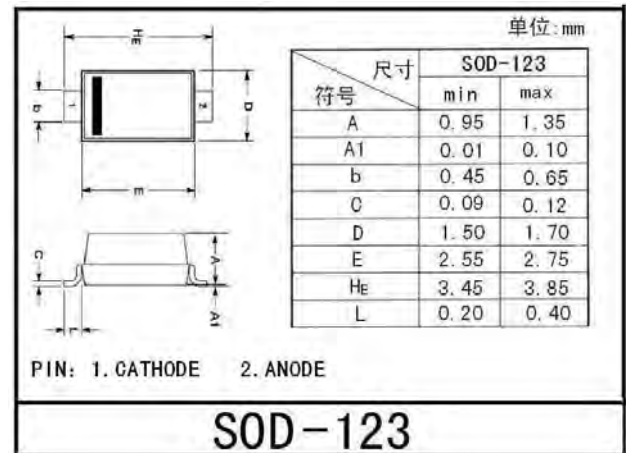
HIGH VOLTAGE SWITCHING DIODE

Purpose: Small signal diode.

Features: Fast switching diodes.

Absolute maximum ratings (Ta=25°C)

Symbol	Rating		
	FDS19W	FDS20W	FDS21W
V_{RRM}	120 V	200 V	250 V
V_{RWM}, V_R	100 V	150 V	200 V
$V_{R(RMS)}$	71 V	106 V	141 V
I_{FM}	400 mA		
I_O	200 mA		
I_{FSM}	t=1.0ms:2.5A, t=1.0s:0.5A		
I_{FRM}	625 mA		
P_d	400 mW		
$R_{\theta JA}$	500°C/W		
T_j, T_{STG}	-65°C TO +150°C		



Electrical characteristics (Ta=25°C)

Symbol	Test condition	Rating		Unit
		Min	Max	
$V_{(BR)R}$	$I_R=100\mu A$	FDS19W	120	V
		FDS20W	200	
		FDS21W	250	
V_{FM}	$I_F=100mA$		1.0	V
	$I_F=200mA$		1.25	V
I_{RM}	$T_j=25^\circ C$ $V_R=V_{RWM}$		100	nA
	$T_j=100^\circ C$ $V_R=V_{RWM}$		15	uA
t_{rr}	$I_F=I_R=30mA$, $I_{rr}=0.1 \times I_R, R_i=100 \Omega$		50	ns
C_T	$V_R=0, f=1.0MHz$		5.0	pF

Marking:

Type	FDS19W	FDS20W	FDS21W
Marking	HA8	HT2	HT3



FDS19W ~ FDS21W

