



1SS400

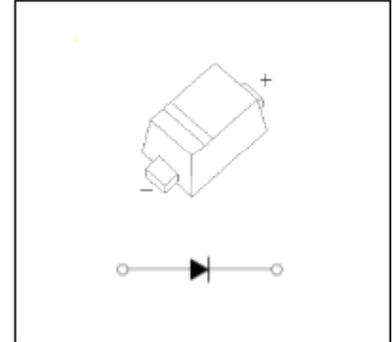


High Speed Switching Diode

FEATURES

- Small surface mounting type
- High Speed
- High reliability with high surge current handing capability

MARKING : A



MAXIMUM RATINGS (Ta = 25°C unless otherwise noted)			
Symbol	Parameter	Value	Unit
V_{RM}	Peak Reverse Voltage	90	V
V_R	DC Reverse Voltage	80	V
I_{FM}	Peak Forward Current	225	mA
I_O	Mean Rectifying Current	100	mA
I_{surge}	Surge Current (1s)	500	mA
T_J	Junction Temperature	150	°C
T_{stg}	Storage Temperature	-55~150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)						
Parameter	Symbol	Test Condition	Min	Typ	Max	Units
Forward Voltage	V_F	$I_F=100\text{ mA}$	-	-	1.2	V
Reverse Current	I_R	$V_R=80\text{ V}$	-	-	0.1	μA
Capacitance between Terminals	C_T	$V_R=0.5\text{ V}, f=1\text{ MHz}$	-	-	3	pF
Reverse Recovery Time	t_{rr}	$V_R=6\text{ V}, I_F=10\text{ mA}, R_L=100$	-	-	4	ns



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