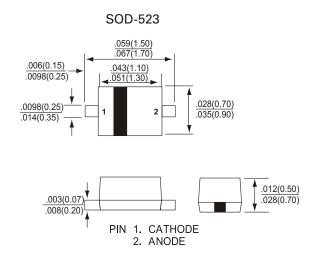
1SS400

SURFACE MOUNT ZENER DIODES

SWITCHING DIODES 100m AMPERES 90 VOLTS



APPLICATIONS

High Speed Switching



- Extremely High Switching Speed
- · Low Reverse Leakage Current .
- High Reliability.
- Small Outline Surface Mount SOD-523 Package

(S) MAXIMUM RATING (TA=25°C unless otherwise noted)

SYMBOL	VALUE	UNITS	
Vrm	90	Volts	
VR	80	Volts	
IF(AV)	100	mA	
IFSM	500	mA	
ιT	125	°C	
T _{stg}	-40 to +125	°C	
	VRM VR IF(AV) IFSM TJ	VRM 90 VR 80 IF(AV) 100 IFSM 500 TJ 125	

(⇒)

ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

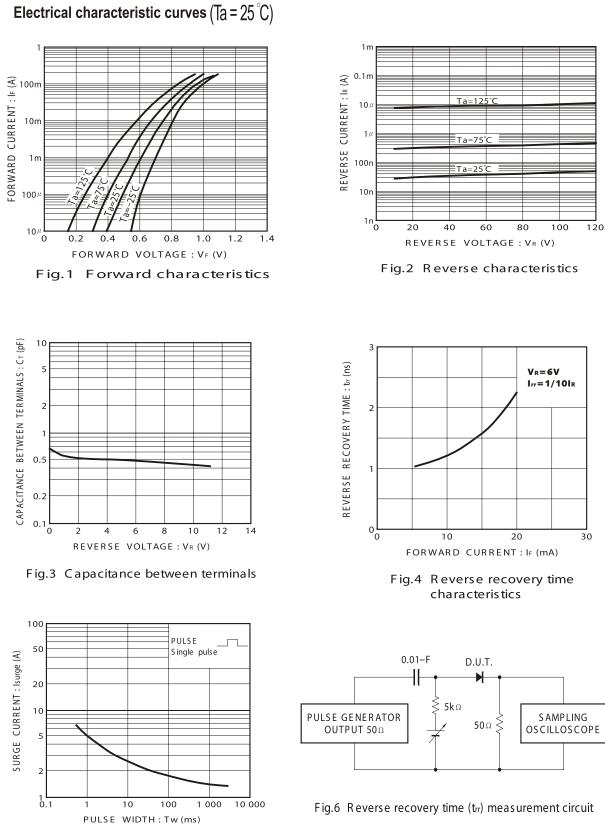
CHARACTERISTICS	SYMBOL	Min	Max	UNITS
Reverse Breakdown Voltage (I R = 100 μ A)	V _{(BR)R}	80		Volts
Forward Voltage IF = 100mA	VF		1.20	Volts
Reverse Leakage $V_R = 80V$	IR		0.1	μ Adc
Capacitance Between Terminals $V_R = 0.5V$, $f=MHz$	CJ		3.0	pF
Reverse Voltage Time V_R = 6V, I_F = 10mA, R_L = 100 Ω	Trr		4.0	nS





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Fig.5 Surge current characteristics

