TOSHIBA **1SS401**

TENTATIVE

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

1 S S 4 0 1

HIGH SPEED SWITCHING APPLICATIONS

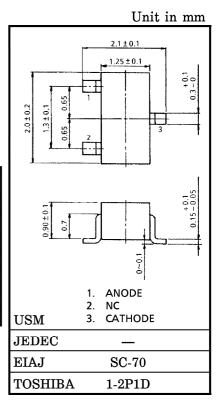
 $: V_{F(3)} = 0.38 V \text{ (Typ.)}$ Low Forward Voltage

: $I_R = 50 \,\mu\text{A}$ (Max.) Low Reverse Current

Small Total Capacitance $: C_T = 46 \, pF \, (Typ.)$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	V_{RM}	25	V
Reverse Voltage	$V_{\mathbf{R}}$	20	V
Maximum (Peak) Forward Current	I_{FM}	700	mA
Average Forward Current	IO	300	mA
Power Dissipation	P	100	mW
Junction Temperature	T_j	125	°C
Storage Temperature Range	$\mathrm{T_{stg}}$	-55~125	°C



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V _{F (1)}	$I_{\mathbf{F}} = 1 \text{ mA}$	_	0.16	-	
	$V_{F(2)}$	$I_{ m F}=10{ m mA}$	_	0.22	_	V
	$V_{F(3)}$	$ m I_F = 300~mA$	_	0.38	0.45	
Reverse Current	$I_{\mathbf{R}}$	$V_{R} = 20 V$	_	_	50	μ A
Total Capacitance	$C_{\mathbf{T}}$	$V_{R} = 0, f = 1 MHz$		46		pF

PIN ASSIGNMENT (TOP VIEW)







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