TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

155322

LOW VOLTAGE HIGH SPEED SWITCHING.

Low Forward Voltage: VF(3)=0.54V (Typ.)

Low Reverse Current : $I_R = 5\mu A$ (Max.)

: SC-70 Small Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	MBOL RATING	
Maximum (Peak) Reverse Voltage	v_{RM}	45	V
Reverse Voltage	$V_{\mathbf{R}}$	40	V
Maximum (Peak) Forward Current	I_{FM}	300	mA
Average Forward Current	IO	100	mA
Power Dissipation	P	100	mW
Junction Temperature	T_{j}	125	°C
Storage Temperature Range	${ m T_{stg}}$	-55~125	°C

Unit in mm 2.1 ± 0.1 1.25 ± 0.1 1.3 ± 0.1 2.0 ± 0.2 1. ANODE 2. N.C. CATHODE **USM JEDEC**

SC-70

1-2P1D

Weight: 0.006g

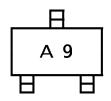
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TOSHIBA

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V _{F (1)}	$I_{\mathbf{F}} = 1 \text{mA}$		0.28	_	
	$V_{F(2)}$	$I_{ m F}$ = 10mA		0.36		V
	$V_{F(3)}$	$I_{ m F} = 100 { m mA}$		0.54	0.60	
Reverse Current	$I_{\mathbf{R}}$	$V_R = 40V$	_	_	5	μ A
Total Capacitance	$\mathrm{C}_{\mathbf{T}}$	$V_R=0$, f=1MHz	_	18	25	pF

MARKING



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