

ULTRA HIGH SPEED SWITCHING APPLICATION.

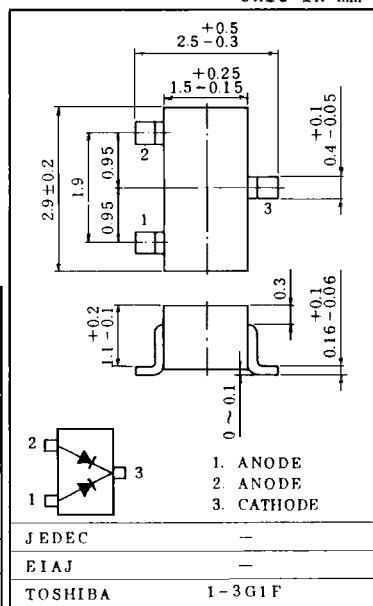
- . Small Package : SC-59
- . Low Forward Voltage : $V_F=0.88V$ (Typ.)
- . Fast Reverse Recovery Time : $t_{rr}=6ns$ (Typ.)
- . Small Total Capacitance : $C_T=1.6pF$ (Typ.)

MAXIMUM RATINGS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum(Peak) Reverse Voltage	V_{RM}	85	V
Reverse Voltage	V_R	80	V
Maximum(Peak) Forward Current	I_{FM}	600*	mA
Average Forward Current	I_O	200*	mA
Surge Current (10ms)	I_{FSH}	6*	A
Power Dissipation	P	150	mW
Junction Temperature	T_j	150	$^\circ C$
Storage Temperature	T_{stg}	-55~150	$^\circ C$

* Unit Rating. Total Rating=Unit Rating $\times 1.5$

Unit in mm



ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F(1)$	$I_F=10mA$	-	0.66	-	V
	$V_F(2)$	$I_F=100mA$	-	0.80	-	
	$V_F(3)$	$I_F=200mA$	-	0.88	1.20	
Reverse Current	$I_R(1)$	$V_R=30V$	-	-	0.25	μA
	$I_R(2)$	$V_R=80V$	-	-	0.50	
Total Capacitance	C_T	$V_R=0, f=1MHz$	-	1.6	-	pF
Reverse Recovery Time	t_{rr}	$I_F=30mA$	-	6	20	ns

Marking

