

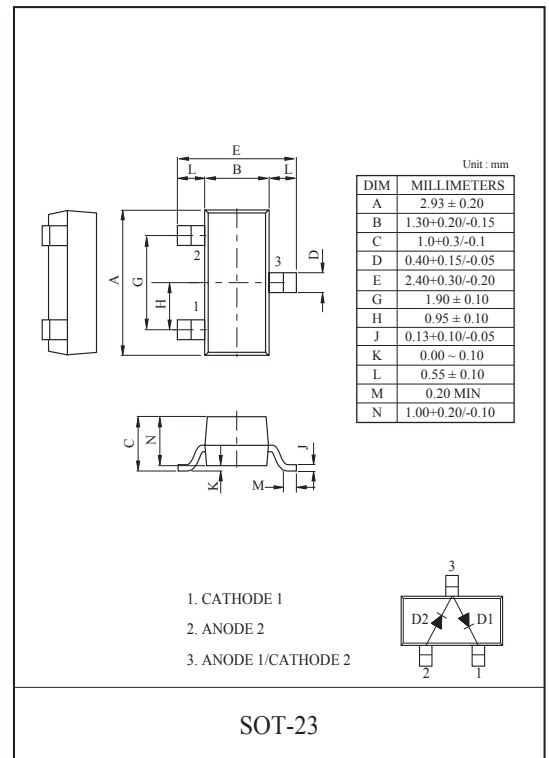
For high speed Switching.

FEATURES

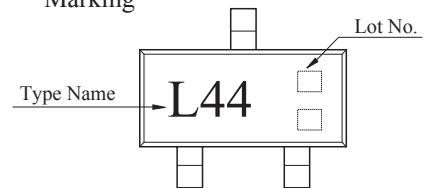
- Low Forward Voltage.
- Low Leakage Current.
- Suffix U : Qualified to AEC-Q101.
ex) BAT54S-RTK/HU

MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Average Forward Current	I_O	0.2	A
Non-repetitive Peak Forward Surge Current (t<1.0s)	I_{FSM}	0.6	A
Repetitive Peak Forward Current	I_{FRM}	0.3	A
Power Dissipation	P_D	0.2	W
Junction Temperature	T_j	125	°C
Storage Temperature	T_{stg}	-55 ~ 150	°C



Marking

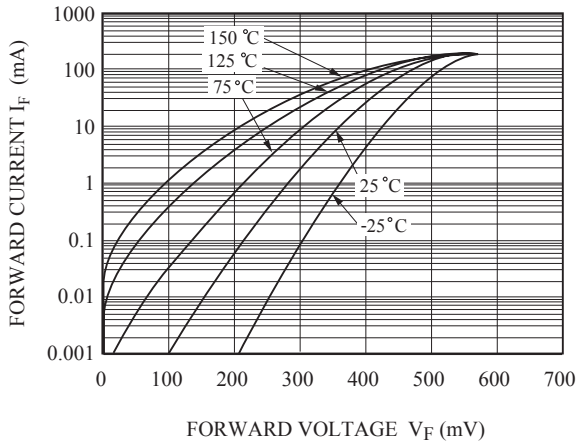


ELECTRICAL CHARACTERISTICS (Ta=25°C)

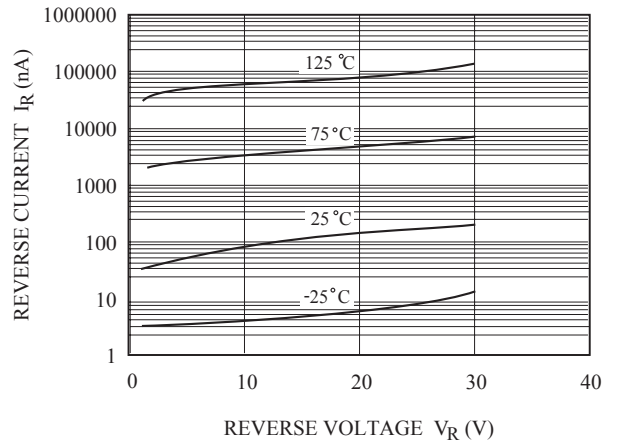
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=1.0mA$	-	-	0.32	V
		$I_F=10mA$	-	-	0.40	V
		$I_F=30mA$	-	-	0.50	V
		$I_F=100mA$	-	-	0.80	V
Reverse Current	I_R	$V_R=25V$	-	-	2	μA
Total Capacitance	C_T	$V_R=1V, f=1MHz$	-	-	10	pF
Reverse Recovery Time	t_{rr}	$I_R=I_F=10mA$	-	-	5	ns

BAT54S

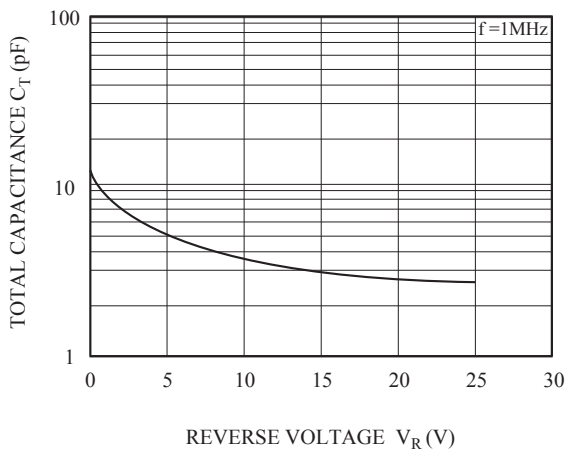
$I_F - V_F$



$I_R - V_R$



$C_T - V_R$



$P_c - T_a$

