

LOW VOLTAGE HIGH SPEED SWITCHING.

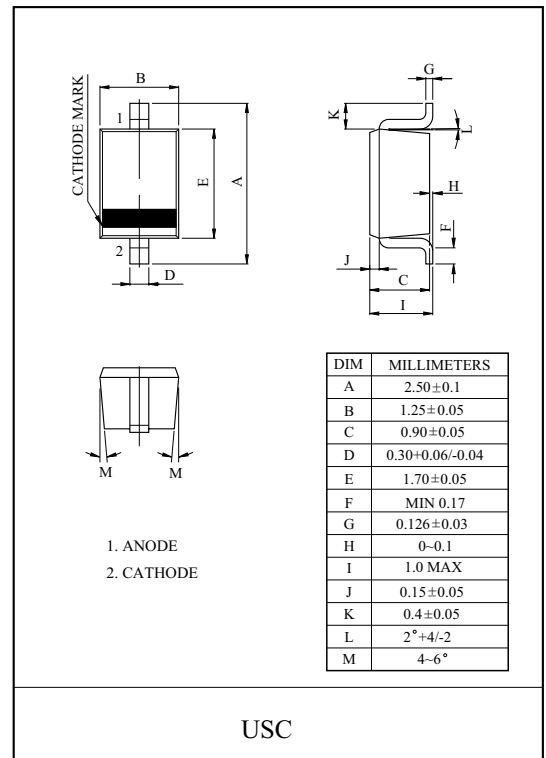
### FEATURES

- Low Forward Voltage :  $V_{F(3)}=0.42V(\text{Typ.})$
- Small Package : USC.

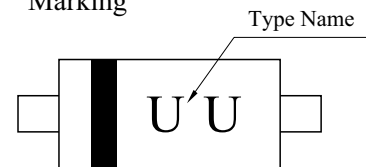
### MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	$V_{RM}$	30	V
Reverse Voltage	$V_R$	30	V
Maximum (Peak) Forward Current	$I_{FM}$	300	mA
Average Forward Current	$I_O$	100	mA
Surge Current (10ms)	$I_{FSM}$	1	A
Power Dissipation	$P_D$	200*	mW
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 125	°C

\* : Mounted on a glass epoxy circuit board of 20 × 20mm,  
pad dimension of 4 × 4mm.



Marking



### ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_{F(1)}$	$I_F=1mA$	-	0.26	0.35	V
	$V_{F(2)}$	$I_F=5mA$	-	0.30	0.40	
	$V_{F(3)}$	$I_F=100mA$	-	0.42	0.55	
Reverse Current	$I_R$	$V_R=30V$	-	-	15	μA
Total Capacitance	$C_T$	$V_R=1V, f=1MHz$	-	40	-	pF