

LOW POWER RECTIFICATION
FOR SWITCHING POWER SUPPLY.

FEATURES

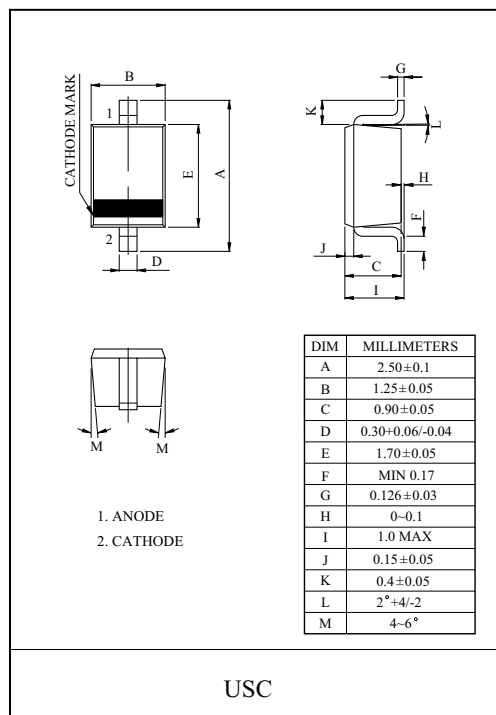
- Small Surface Mounting Type. (USC)
- Low Forward Voltage : $V_F \text{ max}=0.5V$
- High Reliability

CONSTRUCTION

- Silicon epitaxial planar.

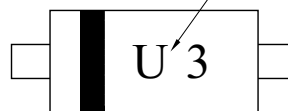
MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Peak Reverse Voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	20	V
Average Forward Current	I_O	0.5	A
Peak Forward Surge Current	I_{FSM}	3	A
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-40 ~ +125	°C



Marking

Type Name



ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F(1)$	$I_F=10mA$	-	-	0.3	V
	$V_F(2)$	$I_F=500mA$	-	-	0.5	V
Reverse Current	I_R	$V_R=10V$	-	-	30	μA
Total Capacitance	C_T	$V_R=10V, f=1MHz$	-	20	-	pF

KDR412

