

ULTRA HIGH SPEED SWITCHING APPLICATION.

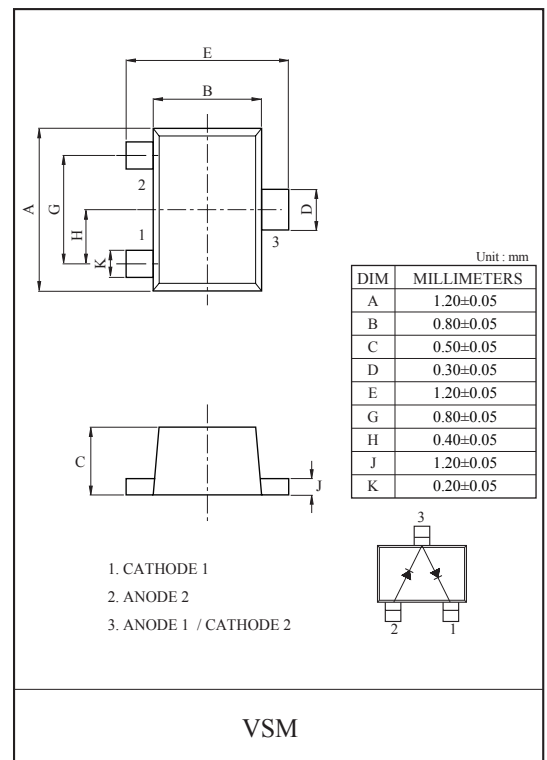
FEATURES

- Low Forward Voltage : $V_F=1.0V$ (Max.).
- Small Package : VSM.
- Suffix U : Qualified to AEC-Q101.
ex) KDS221V-RTK/HU

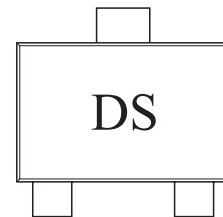
MAXIMUM RATING ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	V_{RM}	20	V
Reverse Voltage	V_R	20	V
Maximum (Peak) Forward Current	I_{FM}	200 *	mA
Average Forward Current	I_O	100 *	mA
Surge Current (1 μ s)	I_{FSM}	300 *	mA
Power Dissipation	P_D	100	mW
Junction Temperature	T_j	150	$^\circ C$
Storage Temperature Range	T_{stg}	-55 ~ 150	$^\circ C$

Note : * Unit Rating. Total Rating=Unit Rating x 0.7



Marking

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=10mA$	-	-	1.0	V
Reverse Current	I_R	$V_R=15V$	-	-	0.1	μA

