

ULTRA HIGH SPEED SWITCHING APPLICATION.

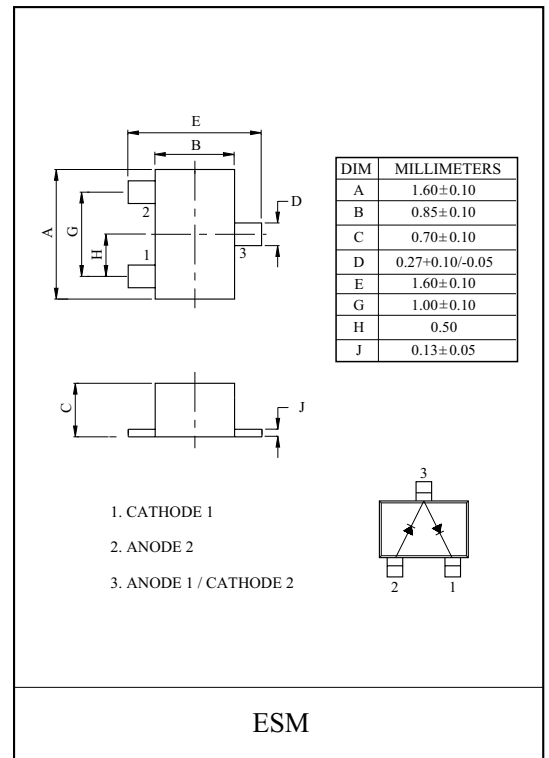
### FEATURES

- Small Package : ESM.
- Low Forward Voltage :  $V_F=1.0V$  (Max.).

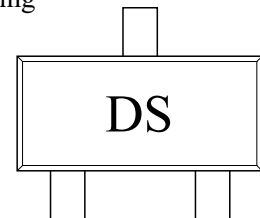
### MAXIMUM RATING (Ta=25°C)

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 $\mu$ s)	$I_{FSM}$	300 *	mA
Power Dissipation	$P_D$	100	mW
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 150	°C

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



### Marking



### ELECTRICAL CHARACTERISTICS (Ta=25°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	$\mu A$

# KDS142E

