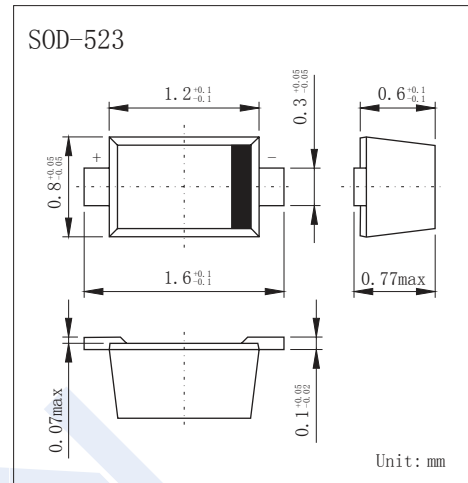
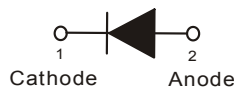


## Switching Diodes

## CES388 (KES388)

## ■ Features

- The forward voltage. :  $V_{F(3)} = 0.54V$
- Reverse current is small. :  $I_{R(1)} = 1\mu A$  (max)
- High speed switch

■ Absolute Maximum Ratings  $T_a = 25^\circ C$ 

Parameter	Symbol	Rating	Unit
Reverse Voltage	$V_{RM}$	45	V
Average Rectified Output Current	$I_o$	100	mA
Forward Current Max	$I_{FM}$	300	
Peak Forward Surge Current	$I_{FSM}$	1	A
Power Dissipation	$P_d$	150	mW
Junction Temperature	$T_J$	125	$^\circ C$
Storage Temperature range	$T_{stg}$	-55 to 125	

■ Electrical Characteristics  $T_a = 25^\circ C$ 

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_R$	$I_R = 100 \mu A$	40			V
Forward voltage	$V_{F1}$	$I_F = 1 \text{ mA}$		0.21		
	$V_{F2}$	$I_F = 10 \text{ mA}$		0.3		
	$V_{F3}$	$I_F = 100 \text{ mA}$		0.54	0.6	
Reverse voltage leakage current	$I_{R1}$	$V_R = 10 \text{ V}$			1	$\mu A$
	$I_{R2}$	$V_R = 40 \text{ V}$			5	
Terminal capacity	$C_t$	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$		11	25	pF

## ■ Marking

Marking	R3
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## Switching Diodes

### CES388 (KES388)

■ Typical Characteristics

