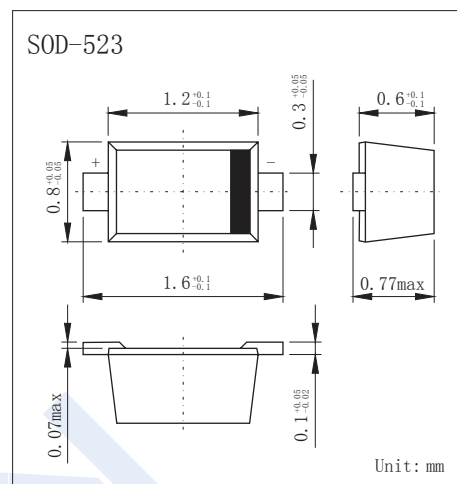
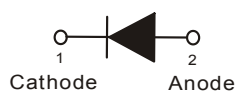


Switching Diodes

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	μA
	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

