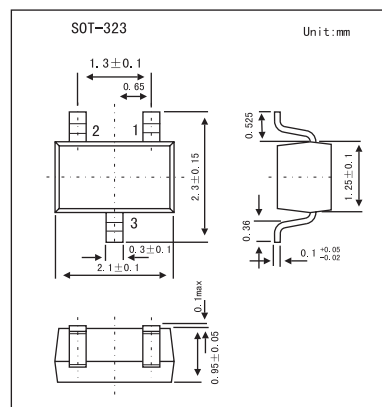
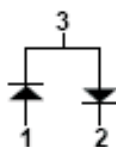


# KMSD2004S(CMSD2004S)



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Continuous reverse voltage	V <sub>R</sub>	240	V
Peak repetitive reverse voltage	V <sub>RRM</sub>	300	V
Peak repetitive reverse current	I <sub>O</sub>	200	mA
Continuous forward current	I <sub>F</sub>	225	mA
Peak repetitive forward current	I <sub>FRM</sub>	625	mA
Forward surge current tp=1 μs	I <sub>FSM</sub>	4000	mA
tp=1s		1000	mA
Power dissipation	P <sub>D</sub>	250	mW
Thermal Resistance.Junction-to-Ambient	R <sub>thJA</sub>	500	°C/W
Operating and storage Junction temperature	T <sub>J</sub> ,T <sub>stg</sub>	-65 to 150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Reverse Breakdown Voltage	V <sub>(BR)R</sub>	I <sub>R</sub> =100 μ A	300			V
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 100mA			-	V
Peak Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 200V			-	nA
		V <sub>R</sub> = 200V, TA= 150°C			-	μ A
		V <sub>R</sub> = 240V			100	nA
		V <sub>R</sub> = 240V, TA= 150°C			100	μ A
Junction Capacitance	C <sub>j</sub>	V <sub>R</sub> = 0, f = 1.0MHz			5	pF
Reverse Recovery Time	t <sub>rr</sub>	I <sub>F</sub> = I <sub>R</sub> =30mA,Recov.to 3.0mA, R <sub>L</sub> = 100 Ω			50	ns

■ Marking

Marking	B6D
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