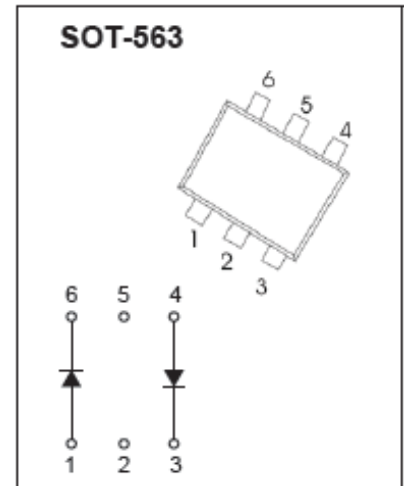
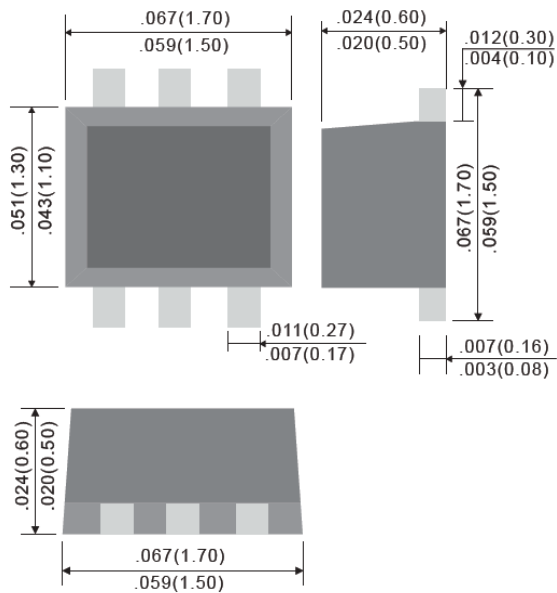




FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1
- MARKING: KAM

Maximum Ratings @ T _a =25°C			
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V
Peak Repetitive Peak Reverse Voltage	V _{RRM}	75	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	53	V
Forward Continuous Current	I _{FM}	300	mA
Average Rectified Output Current	I _O	200	mA
Peak Forward Surge Current	I _{FSM}	2	A
		1	
Power Dissipation	P _D	150	mW
Thermal Resistance Junction to Ambient	R _{θJA}	833	°C/W
Junction Temperature	T _J	150	°C
Operating/ Storage Temperature Range	T _{STG}	-55~+150	°C

Electrical Characteristics ($T_a=25^{\circ}\text{C}$ unless otherwise specified)					
Parameter	Symbol	Test conditions	Min.	Max.	Unit
Reverse Breakdown Voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	75	—	V
Reverse Voltage Leakage Current	I_R	$V_R=75\text{V}$	—	1	μA
		$V_R=20\text{V}$	—	25	nA
Forward Voltage	V_F	$I_F=1\text{mA}$	—	715	mV
		$I_F=10\text{mA}$	—	855	
		$I_F=50\text{mA}$	—	1000	
		$I_F=150\text{mA}$	—	1250	
Total capacitance	C_T	$V_R=0\text{V}$, $f=1\text{MHz}$	—	2	pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=10\text{mA}$, $I_{rr}=0.1\times I_R$, $R_L=100\Omega$	—	4	ns