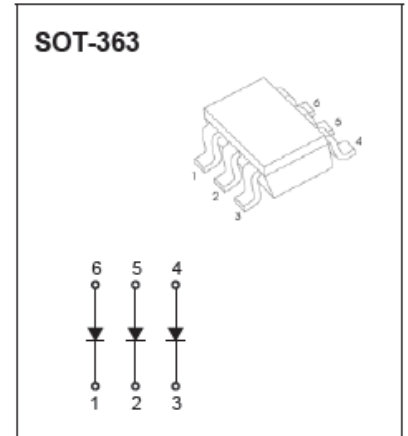
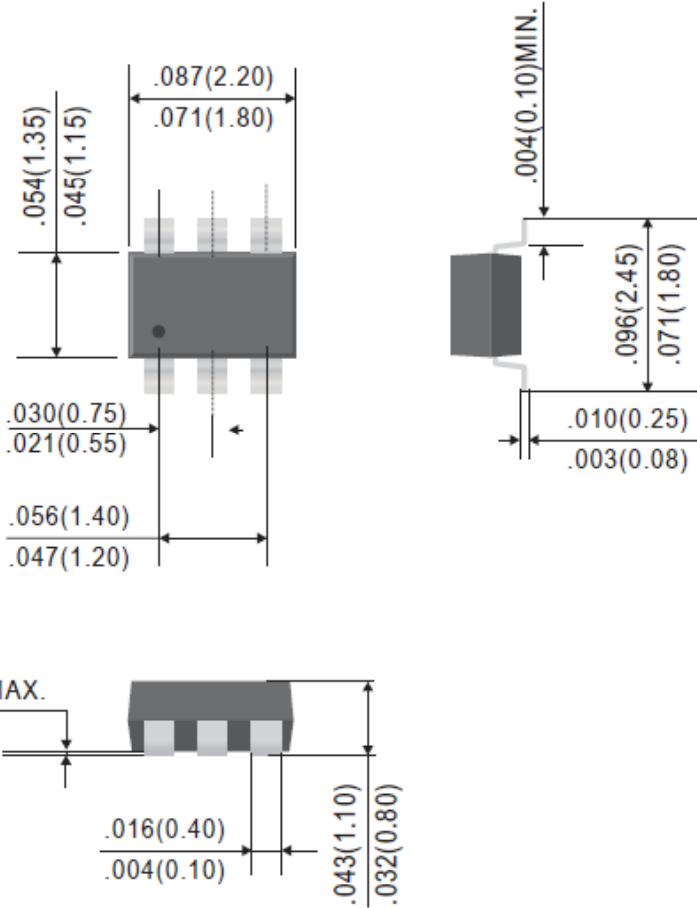




SD103ATW



SCHOTTKY BARRIER DIODE



Dimensions in inches and (millimeters)

FEATURES

- Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- Fast Switching
- Low Leakage Current
- 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: KLL

**SD103ATW****SCHOTTKY BARRIER DIODE**

Maximum Ratings (T_a=25°C unless otherwise noted)			
Parameter	Symbol	Limit	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	40	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	28	V
Forward Continuous Current	I _{FM}	350	mA
Average Rectified Forward Current	I _O	175	mA
Repetitive Peak Forward Surge Current @ t ≤ 10ms	I _{FSM}	1	A
Power Dissipation	P _D	200	mW
Thermal Resistance From Junction To Ambient	R _{θJA}	500	°C/W
Operating Temperature	T _J	-55~+125	°C
Storage Temperature	T _{STG}	-55~+150	°C

Electrical Characteristics (T_a=25°C unless otherwise noted)						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	V _(BR)	I _R = 100μA	40	—	—	V
Forward Voltage	V _F	I _F =20mA	—	—	0.37	V
		I _F =100mA	—	—	0.50	
Reverse Current	I _R	V _R =10V	—	—	2	μA
		V _R =30V	—	—	5	
Total capacitance	C _T	V _R =0V, f=1MHz	—	50	—	pF
Reverse Recovery Time	t _{rr}	I _F =I _R =200mA I _{tr} =0.1X I _R , R _L =100Ω	—	10	—	ns