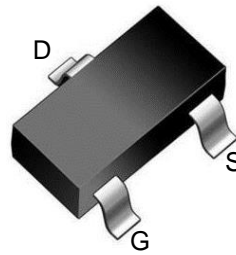
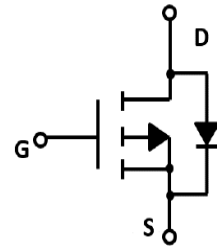


■ Features

- Dual Switching Diode
- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications



SOT-23 top view



Schematic diagram

■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Reverse Voltage	V _{RM}	100	V
Peak Repetitive Reverse Voltage	V _{RRM}	75	
Working Peak Reverse Voltage	V _{RWM}		
RMS Reverse Voltage	V _{RMS}	53	
Average Rectified Output Current	I _O	200	mA
Non-Repetitive Peak Forward Surge Current @ t = 1us @ t = 1s	I _{FSM}	2	A
		1	
Power Dissipation	P _d	225	mW
Thermal Resistance Junction to Ambient	R _{θJA}	556	°C/W
Junction Temperature	T _J	150	°C
Storage Temperature range	T _{stg}	-55 to 150	

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V _R	I _R = 100 uA	100			V
Forward voltage	V _F	I _F = 1 mA			0.7	
		I _F = 10 mA			0.82	
		I _F = 100 mA			1.1	
Reverse voltage leakage current	I _R	V _R = 50 V			1	uA
		V _R = 100 V			3	
Diode capacitance	C _T	V _R = 0 V, f= 1 MHz			2	pF
Reverse recovery time	t _{rr}	I _F =I _R =10mA, I _{rr} =0.1xI _R , R _L =100Ω			4	ns

■ Marking

Marking	5C
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■ Typical Characteristics

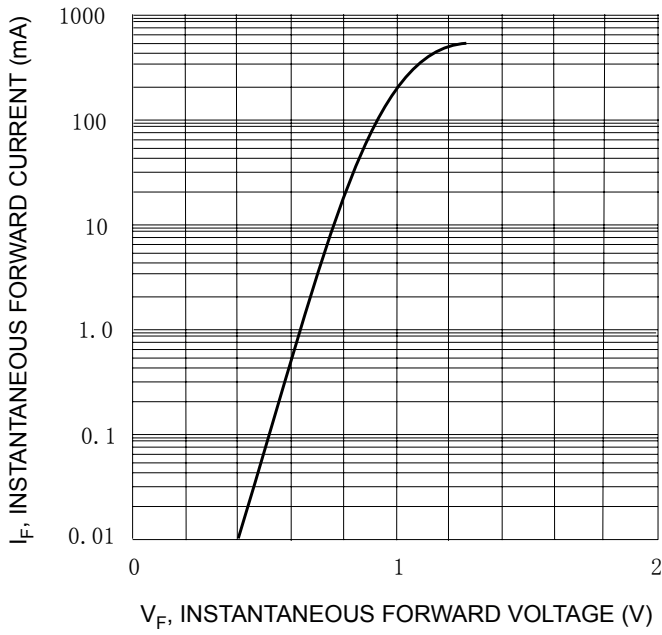


Fig. 1 Forward Characteristics

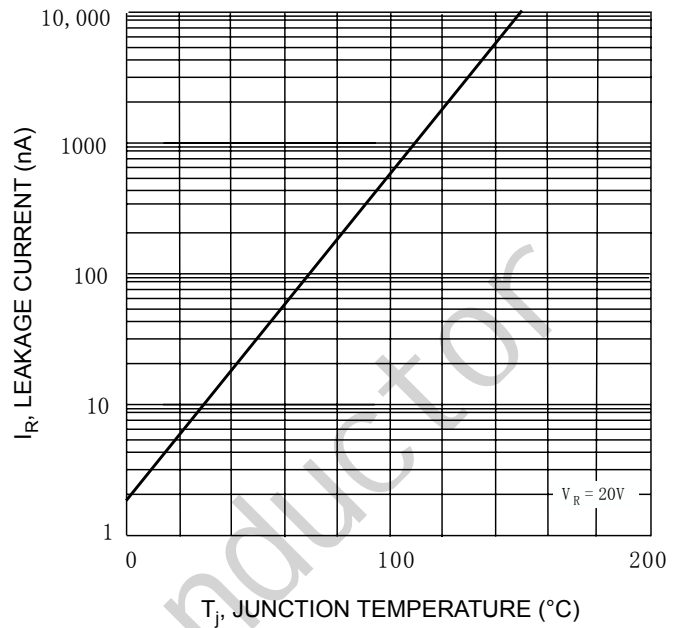


Fig. 2 Leakage Current vs Junction Temperature

Package Outline

SOT-23

Dimensions in mm

