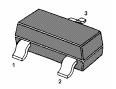
LOW LEAKAGE DOUBLE DIODE

For low leakage current applications

Feature

- Very low leakage current
- Medium speed switching times
- · Series pair configuration





Marking: PX SOT-23 Plastic Package

Absolute Maximum Ratings (T_a = 25 °C)

7 (1a - 20 °)			
Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	85	V
Continuous Reverse Voltage	V _R	85	V
Continuous Forward Current Single Diode Double Diode	I _F	160 140	mA
Repetitive Peak Forward Current	I _{FRM}	500	mA
Non-Repetitive Peak Forward Surge Current at t = 1 µs at t = 1 ms at t = 1 s	I _{FSM}	4 1 0.5	Α
Power Dissipation	P_{D}	250	mW
Thermal Resistance Junction to Ambient Air	$R_{ heta JA}$	500	°C/W
Operating and Storage Temperature Range	T_{j},T_{stg}	- 65 to + 150	°C

Electrical Characteristics (T_a = 25 °C unless otherwise specified)

Parameter	Symbol	Min.	Тур.	Max.	Unit
Reverse Breakdown Voltage at I _R = 100 μA	$V_{(BR)R}$	85	-	-	V
Forward Voltage at $I_F = 1$ mA at $I_F = 10$ mA at $I_F = 50$ mA at $I_F = 150$ mA	V _F	- - -	- - -	0.9 1 1.1 1.25	V
Reverse Current at $V_R = 75 \text{ V}$ at $V_R = 75 \text{ V}$, $T_j = 150 ^{\circ}\text{C}$	I _R			5 80	nA
Total Capacitance at $V_R = 0$, $f = 1$ MHz	Ст	-	2	-	pF
Reverse Recovery Time at $I_F = I_R = 10 \text{ mA}$, $I_{rr} = 0.1 \text{ X } I_R$, $R_L = 100 \Omega$	t _{rr}	-	-	3	μs







