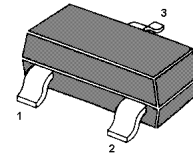
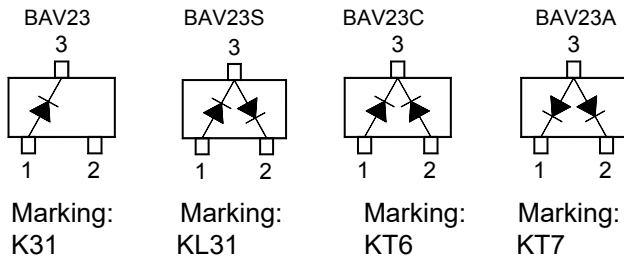


High voltage switching diode



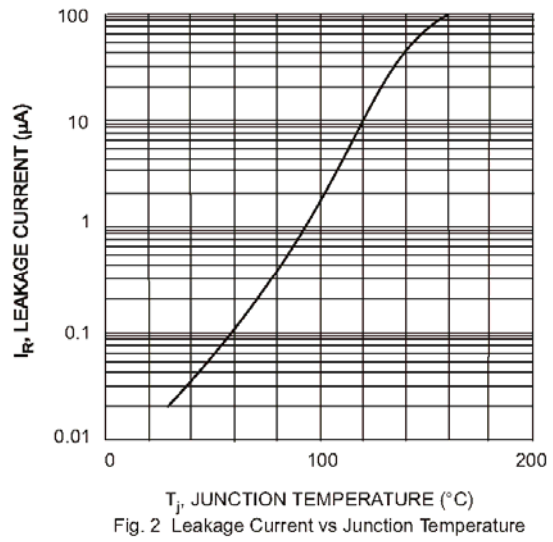
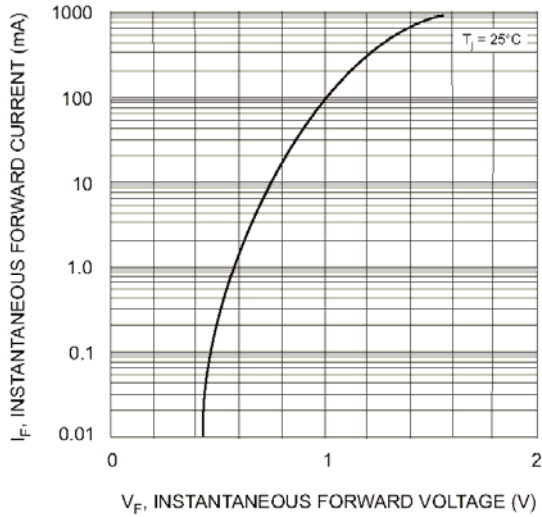
SOT-23 Plastic Package

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Maximum Repetitive Reverse Voltage	V _{RRM}	250	V
Reverse Voltage	V _R	200	V
Forward Current	I _{F(AV)}	400	mA
Repetitive Peak Forward Current	I _{FRM}	625	mA
Non-repetitive Peak Forward Surge Current	I _{FSM}	1.7 3 9	A
		at t = 10 ms	
		at t = 100 μs	
		at t = 1 μs	
Power Dissipation	P _{tot}	350	mW
Thermal Resistance Junction to Ambient Air	R _{θJA}	357	°C/W
Operating Junction and Storage Temperature Range	T _j , T _{stg}	- 65 to + 150	°C

Characteristics at T_a = 25 °

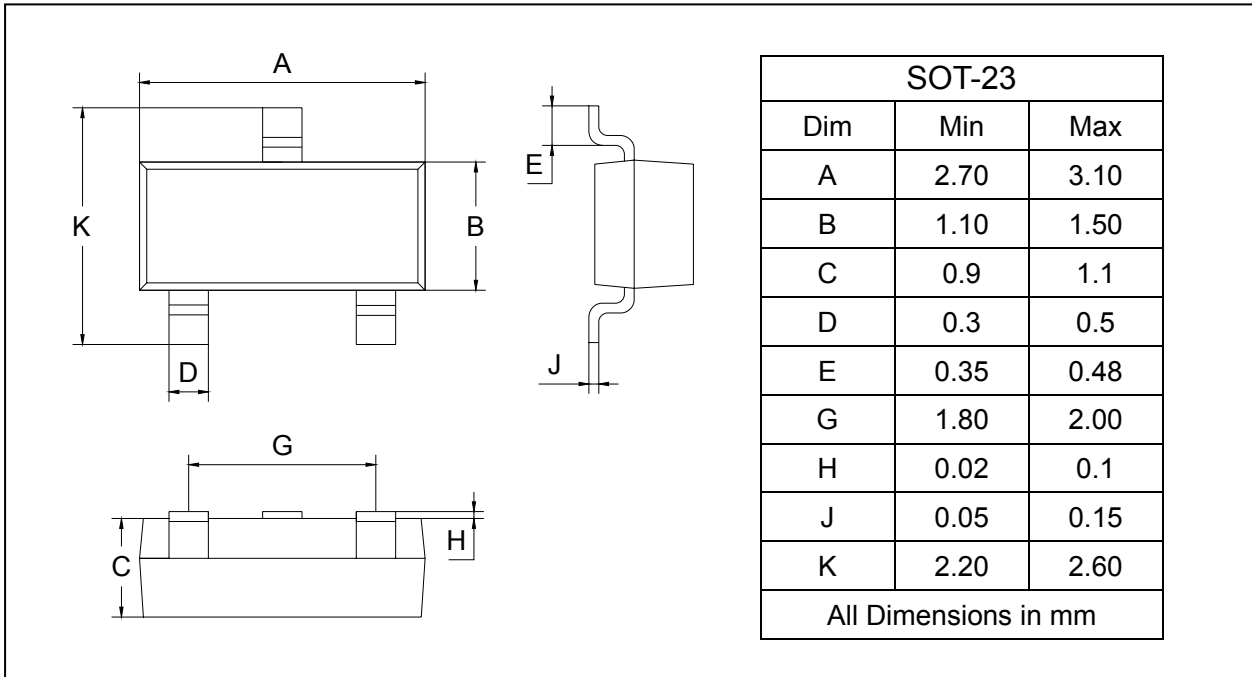
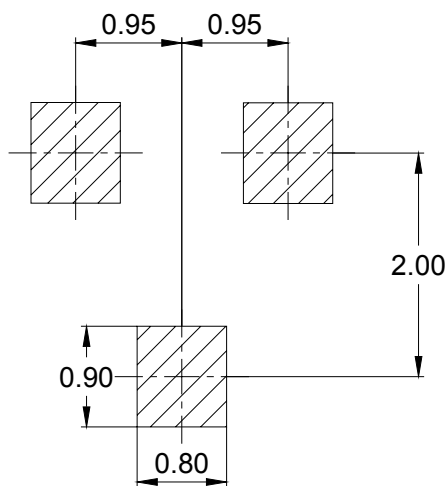
Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I _R = 100 μA	V _{(BR)R}	250	-	V
Forward Voltage at I _F = 100 mA at I _F = 200 mA	V _F	- -	1 1.25	V
Reverse Current at V _R = 200 V, T _j = 25 °C at V _R = 200 V, T _j = 150 °C	I _R	- -	100 100	nA μA
Total Capacitance at V _R = 0 V, f = 1 MHz	C _{tot}	-	5	pF
Reverse Recovery Time at I _F = I _R = 30 mA, I _{tr} = 0.1 × I _R , R _L = 100 Ω	t _{rr}	-	50	ns



PACKAGE OUTLINE

Plastic surface mounted package

SOT-23


SOLDERING FOOTPRINT


Unit : mm

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