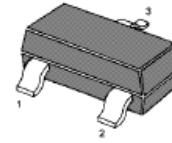


Features

Fast switching speed

High conductance



Marking Code: **A4**
SOT-23 Plastic Package

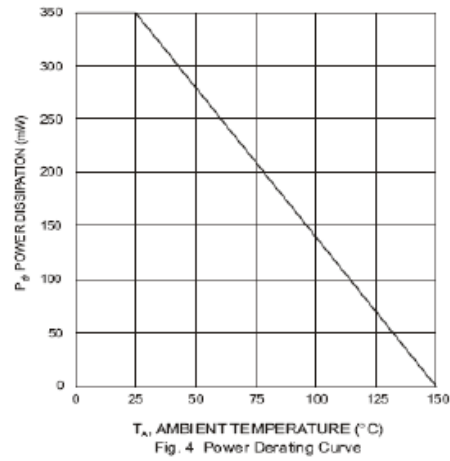
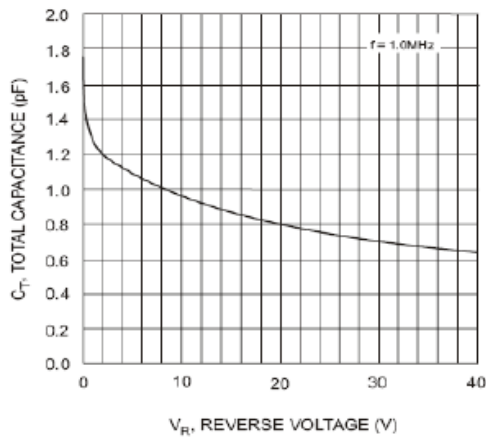
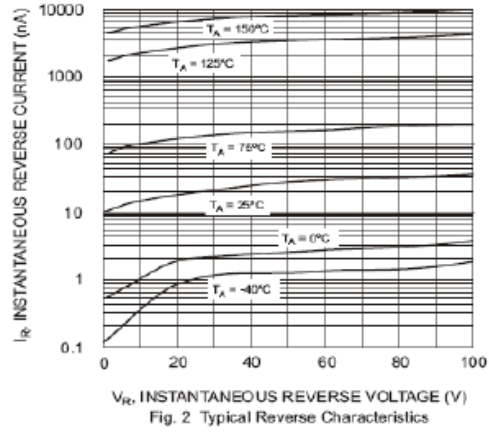
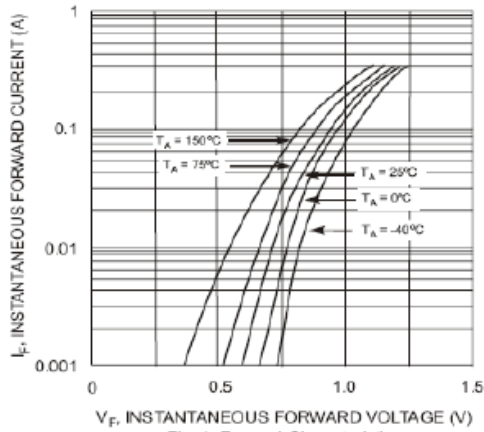
Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Continuous Reverse Voltage	V _R	70	V
Forward Current	I _F	150	mA
Repetitive Peak Forward Current	I _{FRM}	450	mA
Non-repetitive Peak Forward Surge Current	I _{FSM}	1.0 2.0	A
		at t = 1 s at t = 1 μs	
Power Dissipation	P _{tot}	350	mW
Thermal Resistance Junction to ambient	R _{θJA}	357	°C/W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	- 55 to 150	°C

Characteristics (T_a = 25 °C)

Parameter	test condition	Symbol	MIN	MAX	Unit
Reverse Breakdown Voltage	100 μA	V _(BR)	70		Unit
Forward Voltage	I _F = 1 mA I _F = 10 mA I _F = 50 mA I _F = 150 mA	V _F		0.715 0.855 1.0 1.25	V
Reverse Current	V _R = 70 V	I _R		2.5	μA
Diode Capacitance	V _R = 0 , f = 1 MHz	C _d		2.0	pF
Reverse Recovery Time	I _F = I _R = 10 mA, I _R = 1 mA, R _L = 100 Ω	t _{rr}		6.0	nS

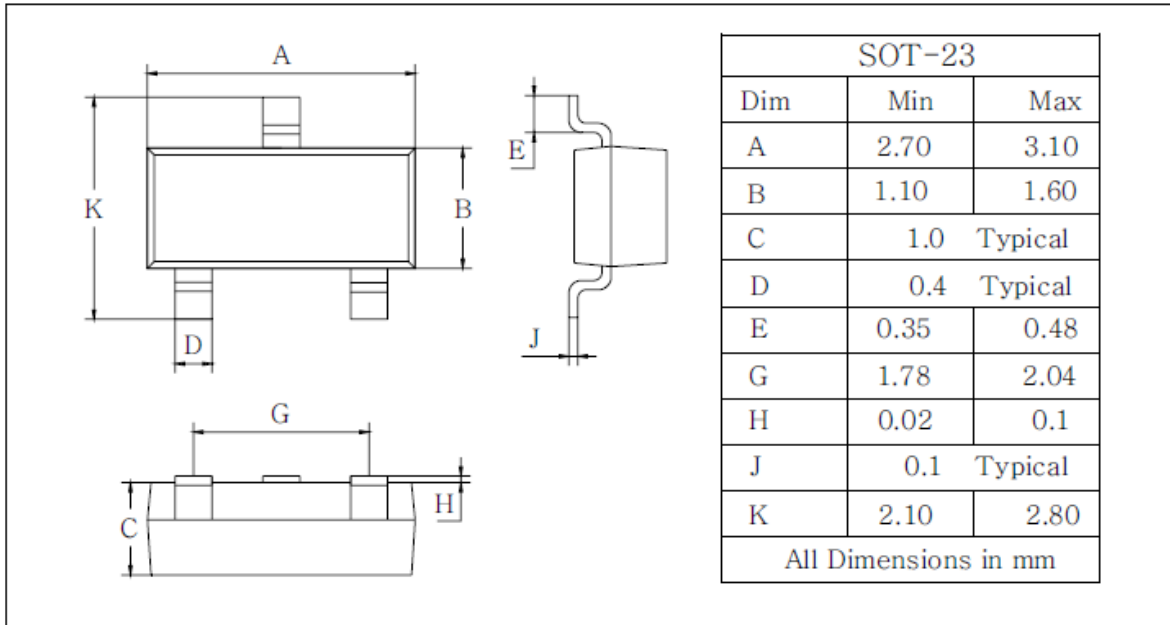
TYPICAL CHARACTERISTICS@ $T_a=25^\circ\text{C}$ unless otherwise specified



PACKAGE OUTLINE

Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT

