



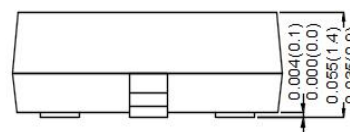
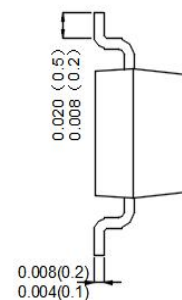
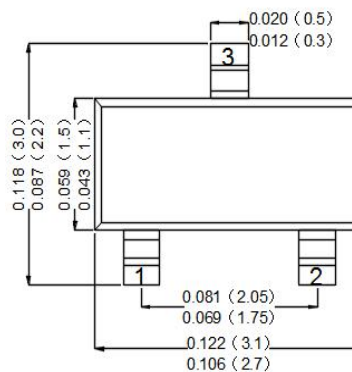
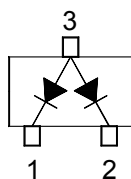
Features

- for high speed switching circuit and small current rectification applications

SOT-23

Mechanical Data

- Case: Molded Plastic, SOT-23
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Plated Leads Solderable per MIL-STD-750, Method-2026.
- Marking: FZ
- Mounting Position : Any.
- Equivalent Circuit:



Dimensions in inches and (millimeters)

Maximum Ratings Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified.)

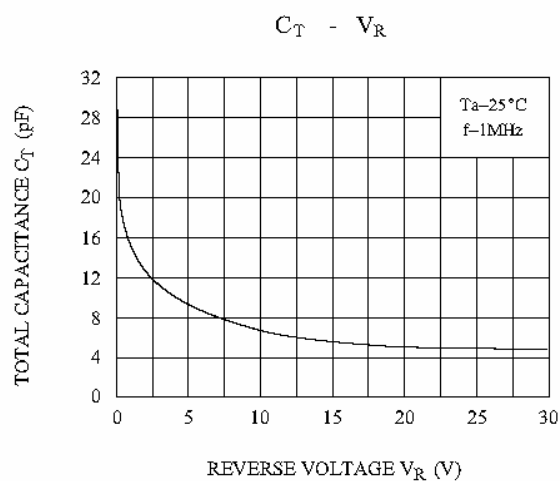
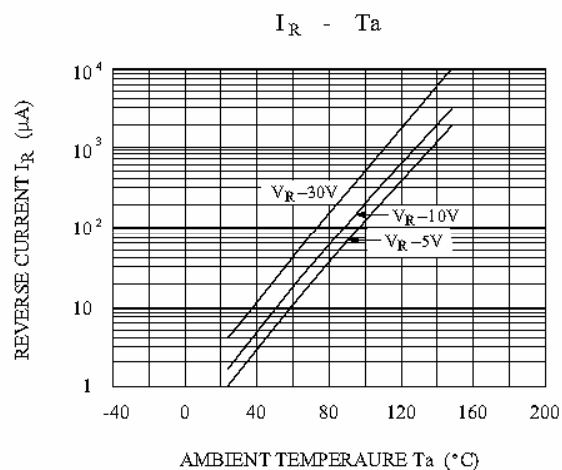
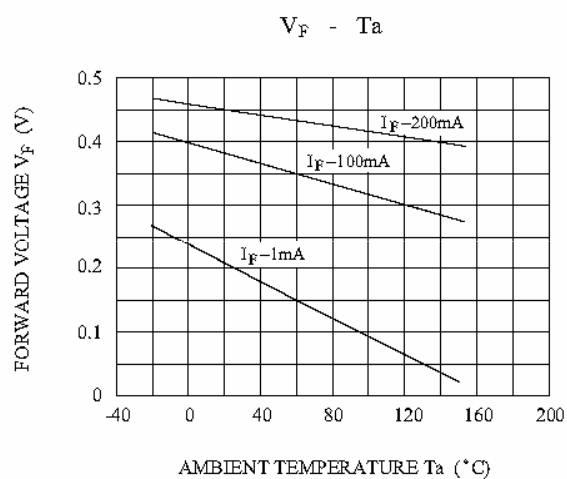
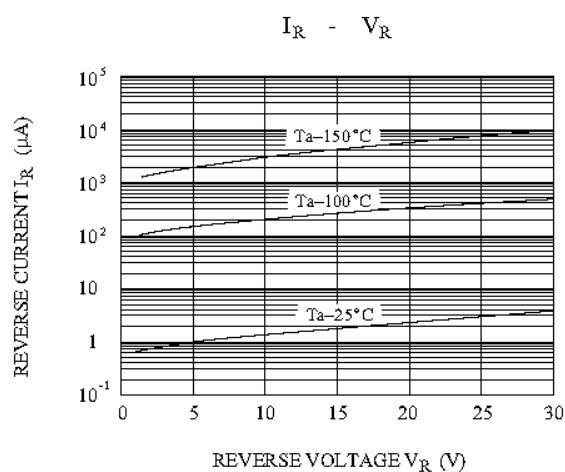
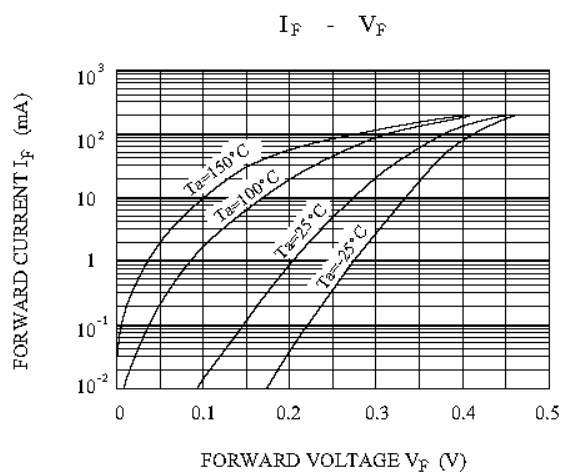
Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Reverse Voltage	V_R	30	V
Non-repetitive Peak Surge Current	I_{FSM}	1	A
Average Forward Current	I_O	200	mA
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_s	-55 to +125	°C

Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 200$ mA	V_F	-	-	0.55	V
Reverse Current at $V_R = 30$ V	I_R	-	-	50	μ A
Total Capacitance at $V_R = 0$, $f = 1$ MHz	C_T	-	30	-	pF
Reverse Recovery Time at $I_R = I_F = 10$ mA	t_{rr}	-	3	-	ns



Rating And Characteristic Curves





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