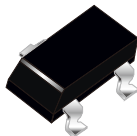
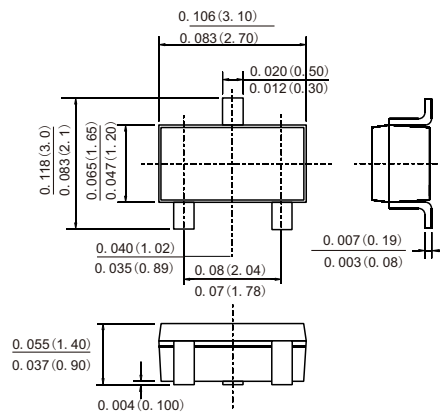


FEATURES

- Small package
- Low forward voltage
- Fast reverse recovery time
- Small total capacitance



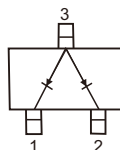
SOT-23



Dimensions in inches and (millimeters)

MECHANICAL DATA

- Case: SOT-23 plastic case



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Parameters	Symbols	Value	Units
Maximum Peak Reverse Voltage	V_{RM}	85	V
Reverse Voltage	V_R	80	V
Average Forward Current	I_o	100	mA
Maximum Peak Forward Current	I_{FM}	300	mA
Peak Forward Surge Current(10ms)	I_{FSM}	2	A
Power dissipation	P_{tot}	150	mW
Junction temperature	T_J	125	°C
Storage temperature range	T_{STG}	-55 to +125	°C

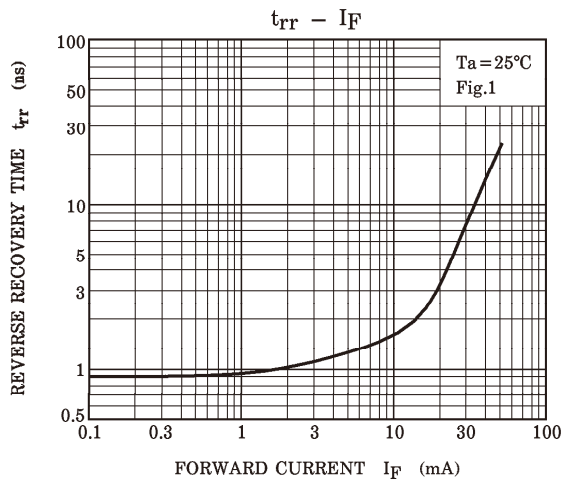
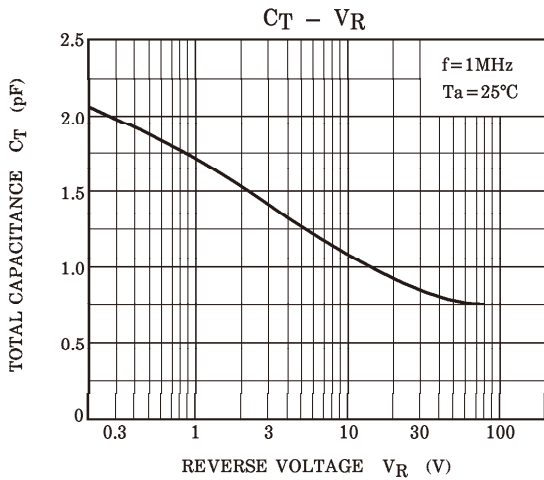
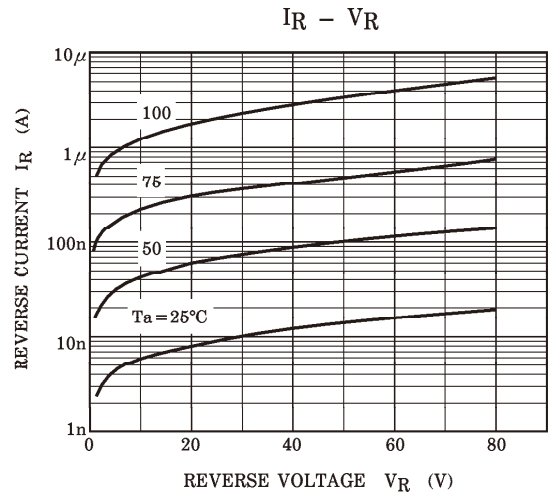
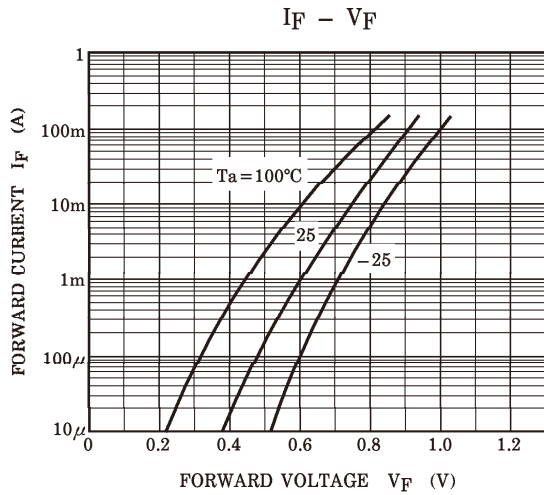
ELECTRICAL CHARACTERISTICS

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

Parameters	Symbol	Min.	Typ.	Max.	Units
Forward voltage at $I_F=100mA$ At $I_F=10mA$ At $I_F=1mA$	V_F		0.92 0.74 0.61	1.2	V
Leakage current at $V_R=30V$	I_R			0.1	μA
Leakage current at $V_R=80V$	I_R			0.5	μA
Junction capacitance at $V_R=0V$ $f=1MHz$	C_T		2.2	4.0	pF
Reverse recovery time $I_F=10mA$	t_{rr}		1.6	4.0	ns

RATINGS AND CHARACTERISTIC CURVES 1SS181

Typical Characteristics



Friendship Reminder

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