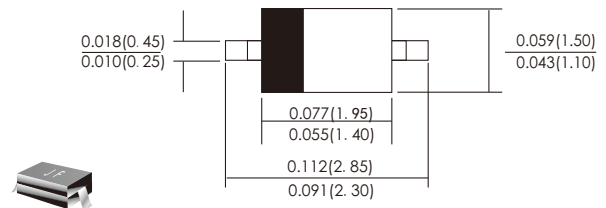


SOD-323

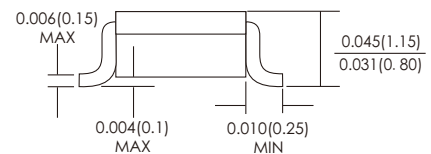
FEATURES

- Fast Switching Device
- Power Dissipation of 200mW
- High Stability and High Reliability
- Low reverse leakage



MECHANICAL DATA

- Case: SOD-323 plastic case
- Marking: WQ



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

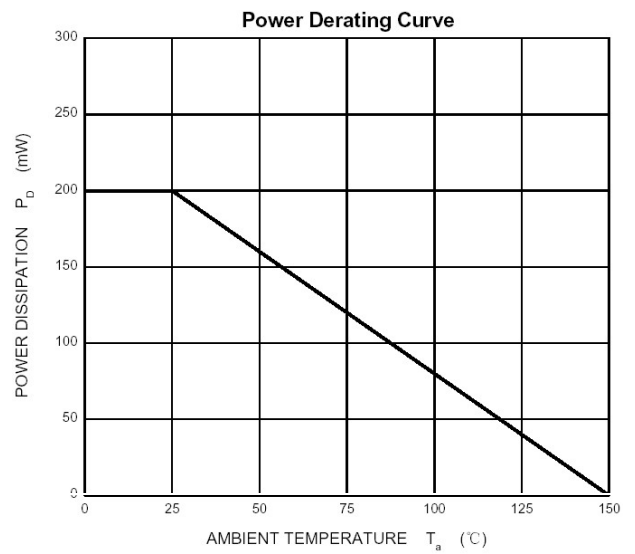
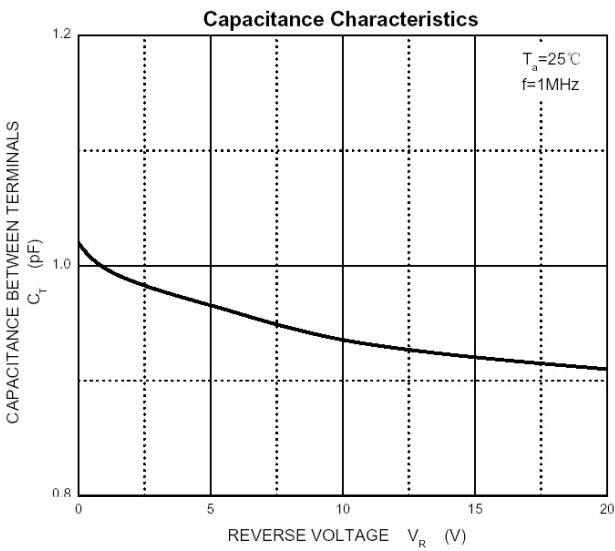
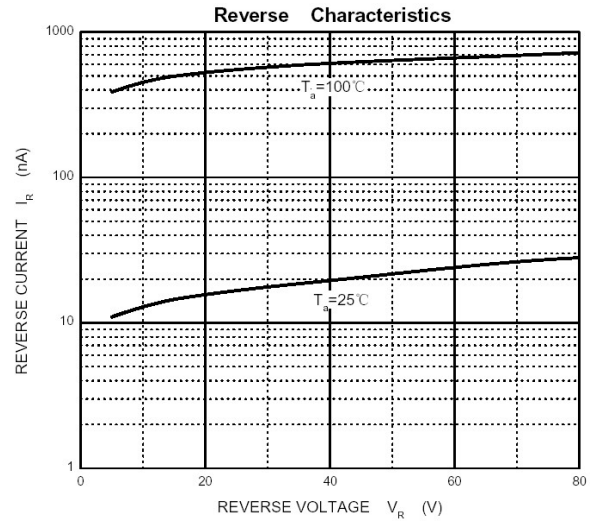
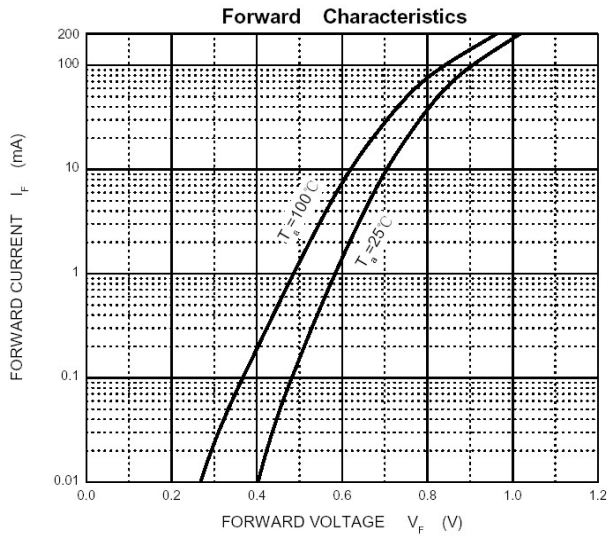
Parameter	Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Average Rectified Current	I_o	200	mA
Non-repetitive Peak Forward Current	I_{FM}	500	mA
Non-repetitive Peak Forward Surge Current at 1us	I_{FSM}	4.0	A
Total Power Dissipation	P_{tot}	200	mW
Operating and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS

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

Parameter	Symbols	Value	Units
Reverse Breakdown Voltage at $I_R=100\mu A$	$V_{(BR)R}$	100	V
Maximum Forward Voltage	V_F	at 10 m A	1.00
		at 100 m A	1.25
Peak Reverse Current	I_R	at $V_R=20V$ $T_j=25^\circ C$	25
		at $V_R=75V$ $T_j=25^\circ C$	5
Typical Junction Capacitance $V_R=0V, f=1MHz$	C_j	4	pF
Maximum Reverse Recovery Time $I_F=IR=30mA, RL=100\Omega$	t_{rr}	4	ns

RATINGS AND CHARACTERISTIC CURVES 1N914WS



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