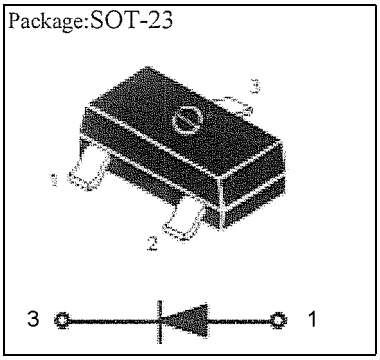
FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.
TEL: 852-2790 0314 FAX: 852-2790 0206

MMBD914 LT1

High Voltage Switching Diode



Absolute Maximum Ratings Ta=25℃ unless otherwise noted

Symbol	Parameter	Value	Units
V_R	Continuous Reverse Voltage	100	V
I_F	Continuous Forward Current	200	mA
I_{FM}	Peak Forward Surge Current	500	mA
T_J	Junction Temperature	150	℃
P_D	Power Dissipation	225	mW

Electrical Characteristics Ta=25℃ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Units
I_R	Reverse Voltage Leakage Current	V_R=20Vdc V_R=75Vdc			25 5.0	nA uA
V_R	Reverse Breakdown Voltage	I_R = 100uA	100			V
V_F	Forward Voltage	I_F=10mA			1	V
Trr	Reverse Rcovery Time	I_F=IR=10mA			4.0	η s
C_T	Diode Capacitance	V_R = 0 F = 1.0MHz			4.0	pF
Marking : 5D						

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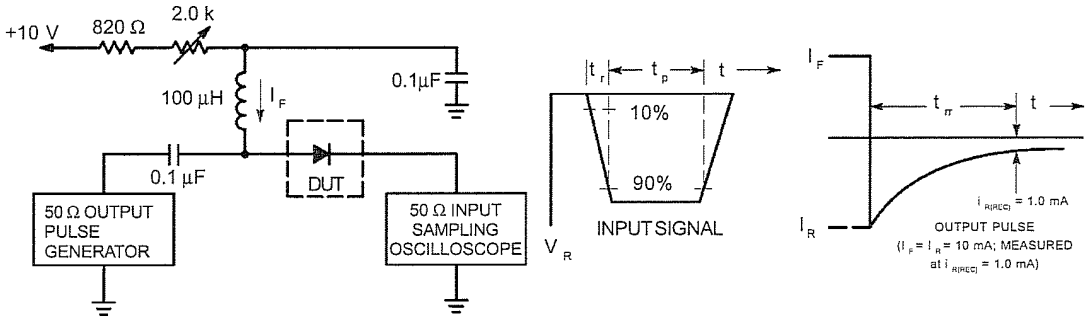

Notes: 1. A 2.0 kΩ variable resistor adjusted for a Forward Current (I_F) of 10mA.
2. Input pulse is adjusted so $I_{R(peak)}$ is equal to 10mA.
3. $t_p \gg t_{rr}$

Figure 1. Recovery Time Equivalent Test Circuit

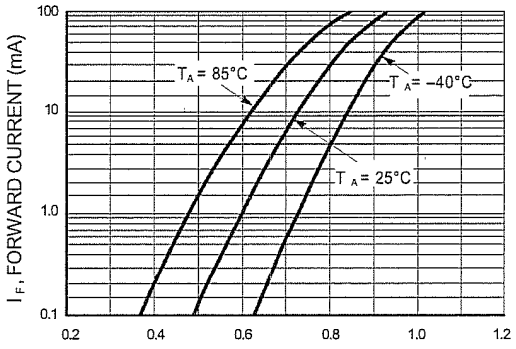

Figure 2. Forward Voltage

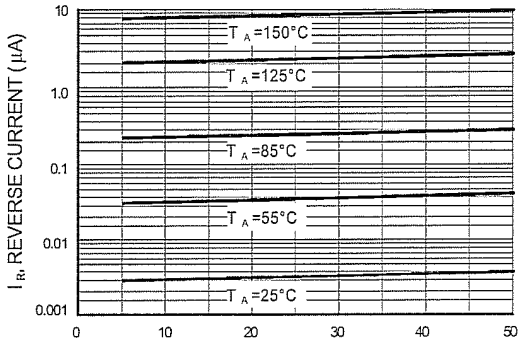

Figure 3. Leakage Current

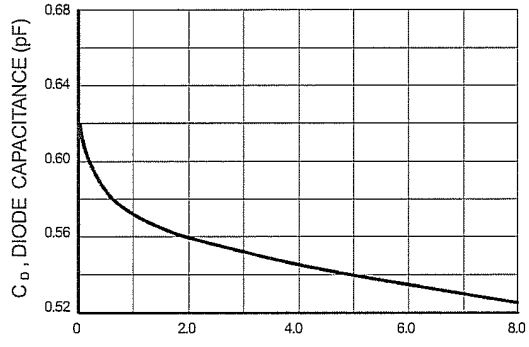

Figure 4. Capacitance