



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.

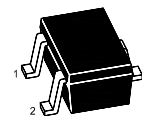
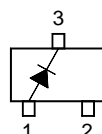
TEL: 852-2790 0314 FAX: 852-2790 0206

1SS370W

Silicon Epitaxial Planar Diodes

High Voltage Switching Diode

For high voltage and high speed switching applications



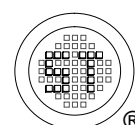
SOT-323 Plastic Package
Marking Code: F5

Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	V_{RM}	250	V
Reverse Voltage	V_R	200	V
Average Rectified Forward Current	$I_{F(AV)}$	100	mA
Maximum Peak Forward Current	I_{FM}	300	mA
Non-repetitive Peak Forward Surge Current (tp = 10 ms)	I_{FSM}	2	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10\text{ mA}$ at $I_F = 100\text{ mA}$	V_F V_F	1 1.2	V
Reverse Current at $V_R = 50\text{ V}$ at $V_R = 200\text{ V}$	I_R I_R	0.1 1	μA
Total Capacitance at $V_R = 0$, $f = 1\text{ MHz}$	C_T	3	pF
Reverse Recovery Time at $I_F = 10\text{ mA}$	t_{rr}	60	ns



Dated : 15/06/2009



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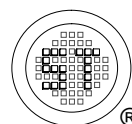
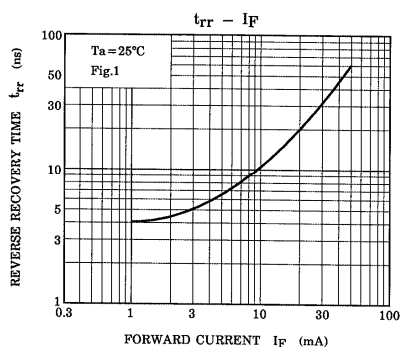
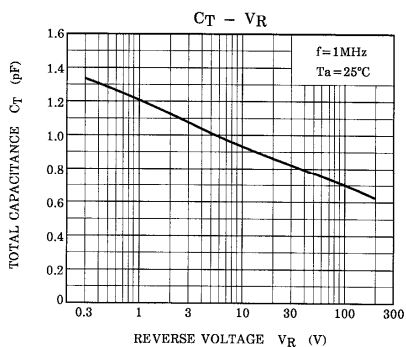
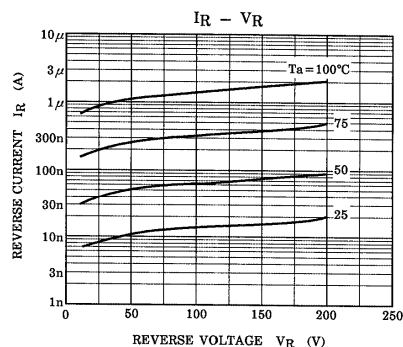
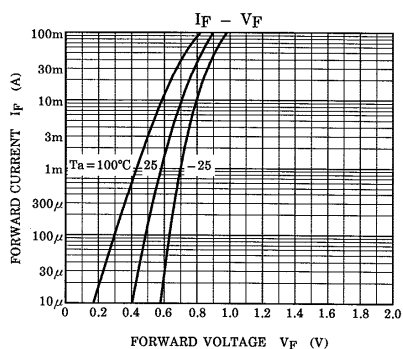
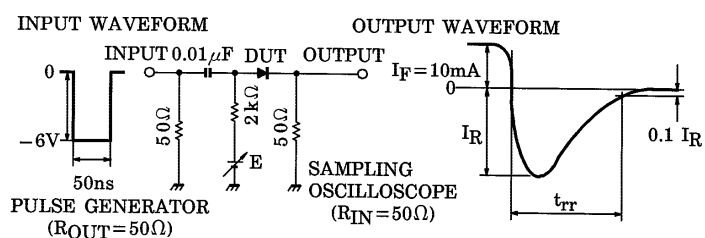
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Reverse Recovery Time (t_{rr}) Test Circuit



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