

**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

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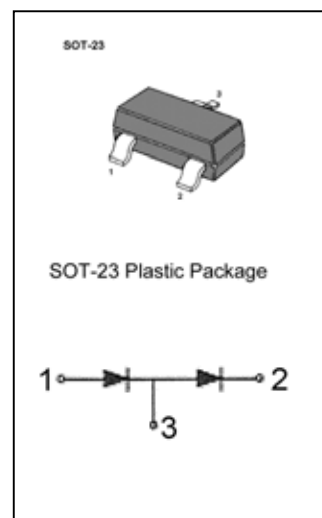
Dual Switching Diode

*Fast Switching Speed

*High Conductance

Absolute Maximum Ratings at Ta=25°C unless otherwise note

Symbol	Characteristic	Value	Units
V _R	Reverse Voltage	70	V
V _{R(RMS)}	RMS Reverse Voltage	49	V
I _F	Forward Current	215	mA
I _{FSM}	Non-Repetitive Peak Forward Current		A
	T=1.0us	2.0	
	T=1.0ms	1.0	
	T=1.0s	0.5	
I _{FM}	Peak Forward Surge Current	500	mA
P _F	Power Dissipation (Note) @25°C	225	mW
	Derate above 25°C	1.8	mW/°C
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55 ~ 150	°C



Electrical Characteristics at Ta=25°C

Symbol	Characteristic	Condition	Min.	Typ.	Max.	Unit
V _F	Forward Voltage	I _F =1.0mA			715	mV
		I _F =10mA			855	mV
		I _F =50mA			1.0	V
		I _F =			1.25	V
I _R	Reverse Voltage Leakage Current	V _R =70V			2.5	uA
C _j	Capacitance	V _R =0 f=1.0MHz			1.75	pF
T _{rr}	Reverse Recovery Time	I _F =10mA to I _{RR} =1mA V _R =6V; R _L =100Ω			6	ns

Marking: A7

Note: Diode on Ceramic Substrate 10mm x 8.0mm 0.7mm

**FM**



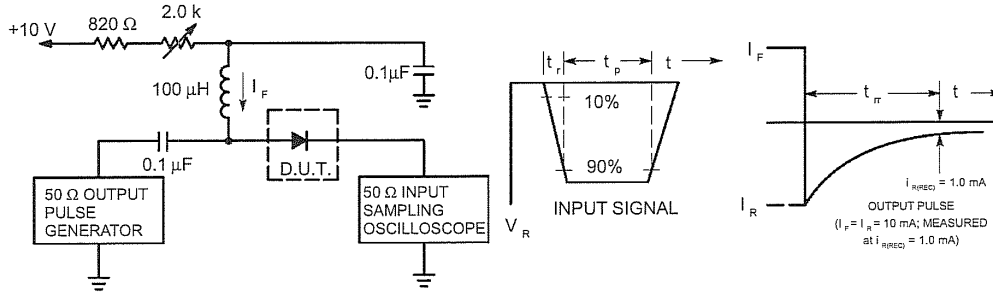
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- Notes: 1. A 2.0 kΩ variable resistor adjusted for a Forward Current (I_F) of 10mA.
- 2. Input pulse is adjusted so $I_{R(peak)}$ is equal to 10mA.
- 3. $t_p \gg t_{tr}$

Figure 1. Recovery Time Equivalent Test Circuit

CURVES APPLICABLE TO EACH DIODE

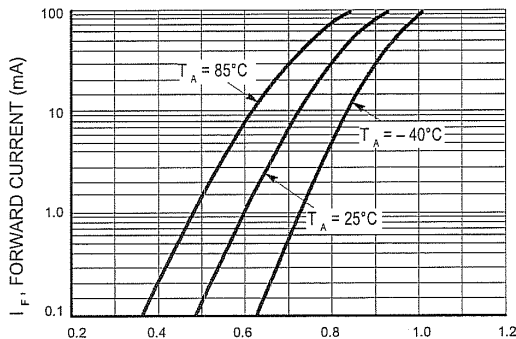


Figure 2. Forward Voltage

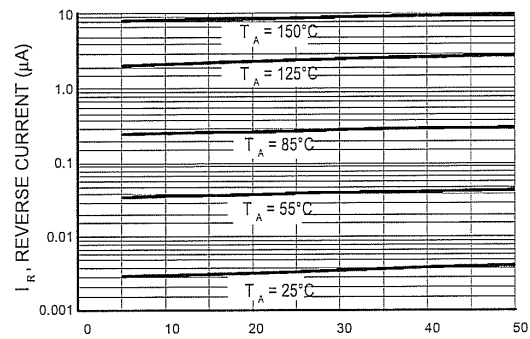


Figure 3. Leakage Current

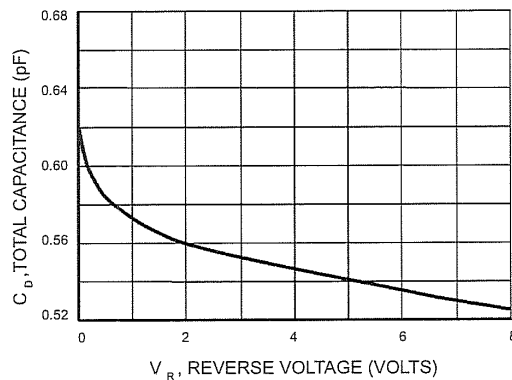


Figure 4. Capacitance



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