

SANYO	No.4705	DSE010
		Silicon Epitaxial Planar Type
Very High-Speed Switching Diode		

Features

- Ideally suited for use in hybrid ICs because of very small-sized package.
- Fast switching speed.
- Small interterminal capacitance.

Absolute Maximum Ratings at Ta = 25°C

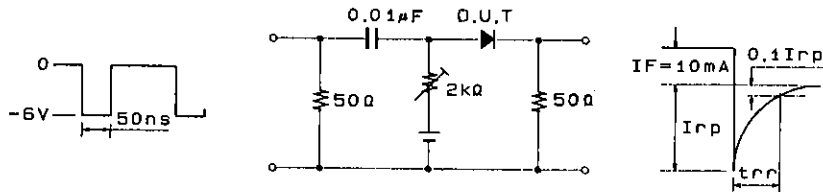
			unit
Peak Reverse Voltage	V_{RM}	90	V
Reverse Voltage	V_R	80	V
Peak Forward Current	I_{FM}	225	mA
Average Rectified Current	I_o	100	mA
Surge Forward Current	I_{FSM} 1s pulse	500	mA
Junction Temperature	T_j	125	°C
Storage Temperature	T_{stg}	-55 to +125	°C

Electrical Characteristics at Ta = 25°C

			min	typ	max	unit
Forward Voltage	V_F	$I_F = 100mA$			1.2	V
Reverse Current	I_R	$V_R = 80V$			0.5	μA
Interterminal Capacitance	C	$V_R = 0.5V, f = 1MHz$			3.0	pF
Reverse Recovery Time	t_{rr}	$I_F = 10mA, V_R = 6V$ $R_L = 50\Omega, I_{rr} = 0.1I_{rp}$			4.0	ns

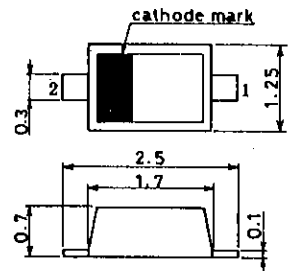
Marking: C

t_{rr} Test Circuit

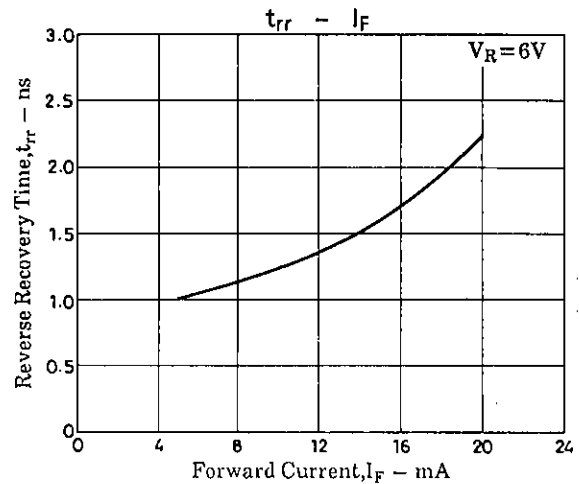
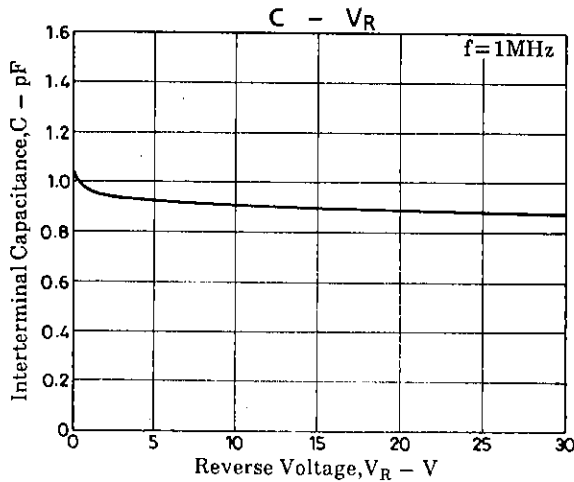
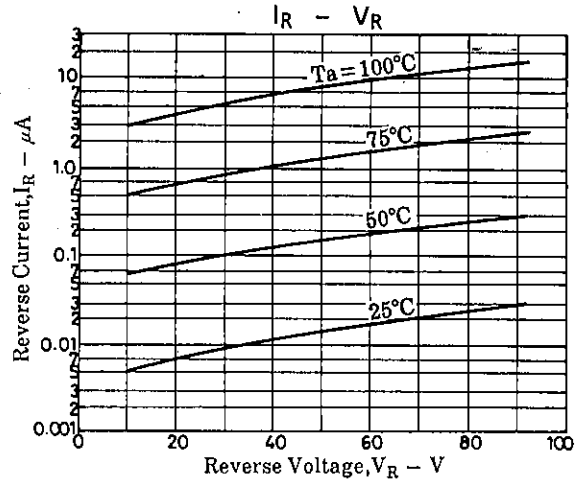
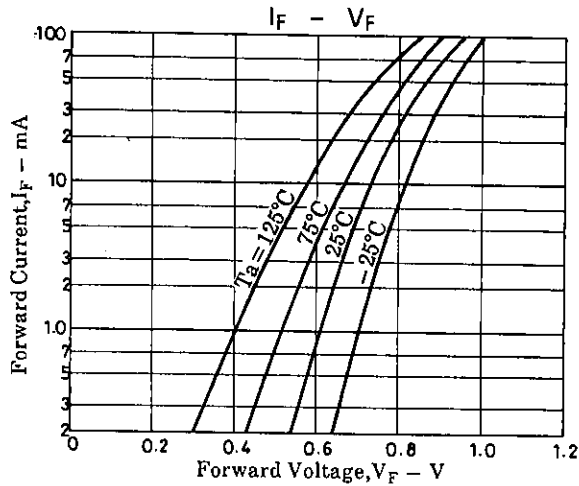


A01037

Package Dimensions 1260
(unit: mm)



1: Anode
2: Cathode



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