

SANYO	No.2822	DSH015
		Silicon Epitaxial Type High-Speed Switching Diode

Features

- Very small-sized package permitting DSH015-applied sets to be made small and slim
- Fast switching speed

Absolute Maximum Ratings at Ta = 25°C

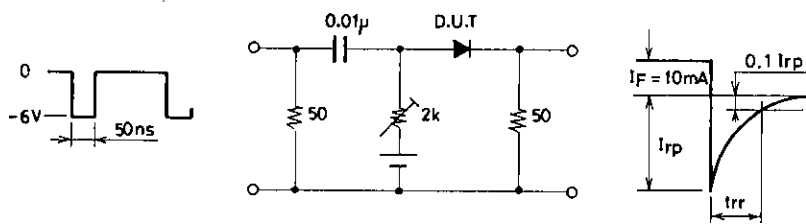
			unit
Peak Reverse Voltage	V_{RM}	-75	V
Reverse Voltage	V_R	-50	V
Surge Current	I_{FSM} 1 μ sec	4	A
Average Rectified Current	I_O	150	mA
Peak Forward Current	I_{FM}	300	mA
Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-55 to +150	°C

Electrical Characteristics at Ta = 25°C

			min	typ	max	unit
Forward Voltage	V_F $I_F = 10mA$			0.72	1.0	V
		$I_F = 50mA$		0.85	1.0	V
		$I_F = 100mA$		0.92	1.2	V
Reverse Current	I_R $V_R = -50V$				-100	nA
Interterminal Capacitance	C $V_R = 0, f = 1MHz$		4.0	7		pF
Reverse Recovery Time	t_{rr} $I_F = 10mA, V_R = -6V, R_L = 50\Omega, I_{rr} = 0.1I_{rp}$				5	ns
Rated I/O Frequency					20	MHz

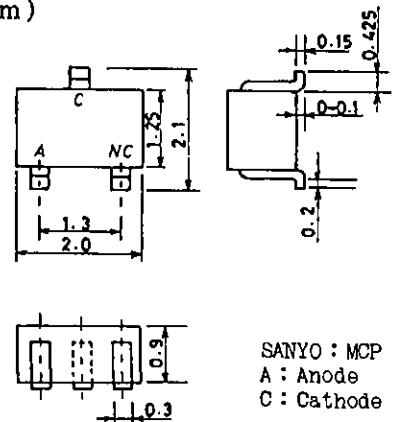
Marking : A2

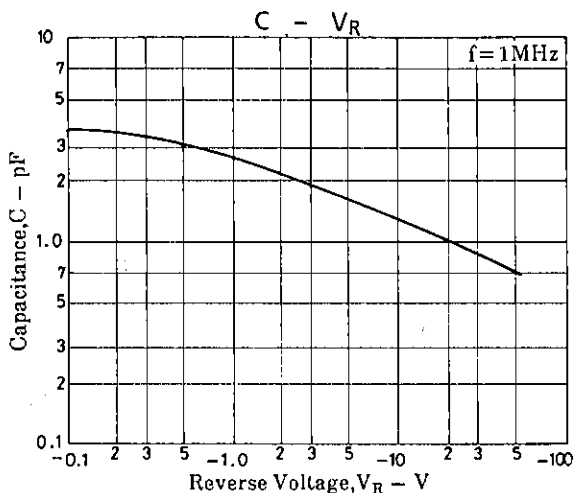
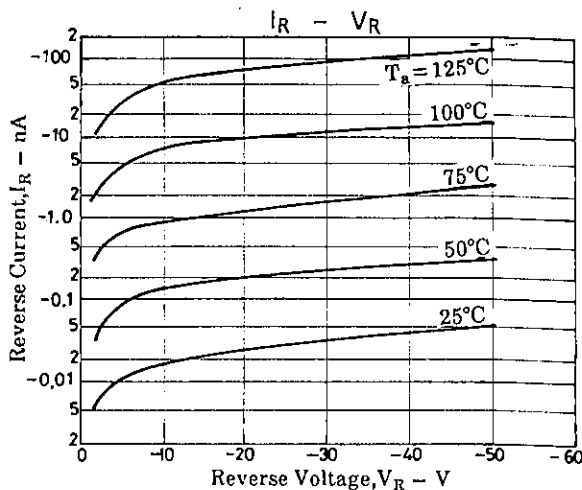
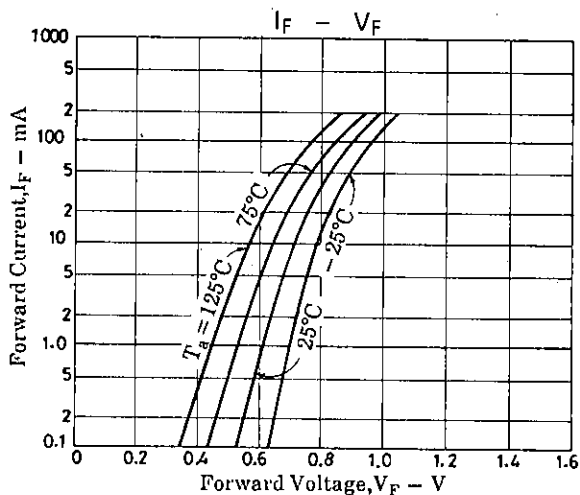
Reverse Recovery Time Test Circuit



Unit (resistance: Ω , capacitance: F)

Package Dimensions 1197
(unit: mm)





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