

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

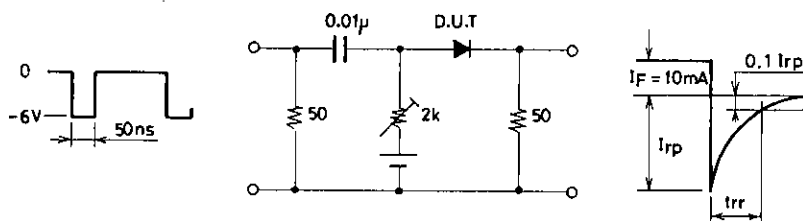
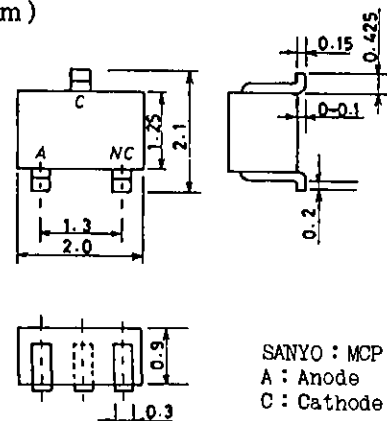
Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

			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	$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

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

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

Marking : A2

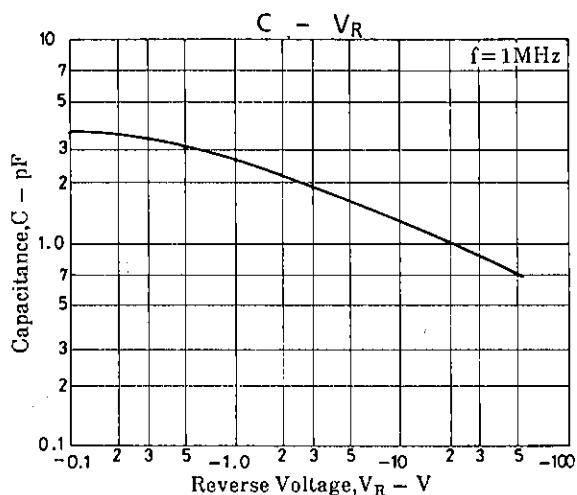
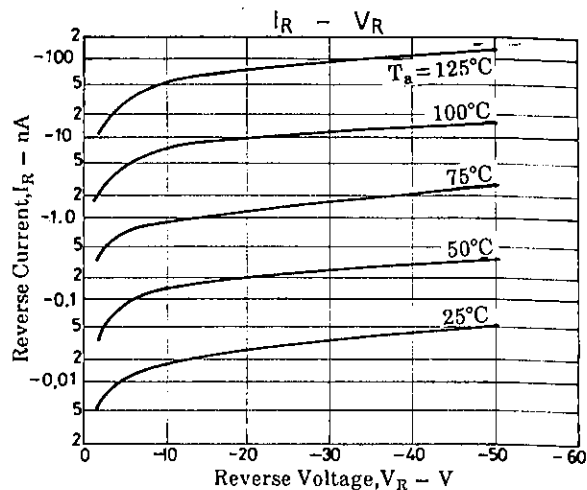
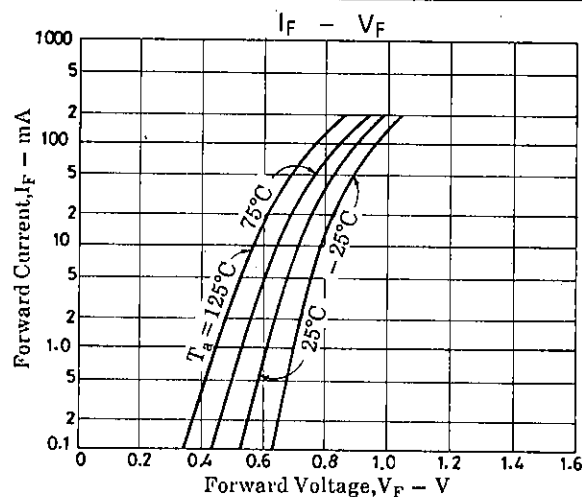
Reverse Recovery Time Test CircuitUnit (resistance: Ω , capacitance: F)**Package Dimensions 1197**
(unit: mm)

SANYO : MCP
A : Anode
C : Cathode

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N258TA, TS No.2822-1/2



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