

SANYO

No.2800A

DD50R

Diffused Junction Type Silicon Diode

Ultrahigh-Definition Display Damper Diode**Features**

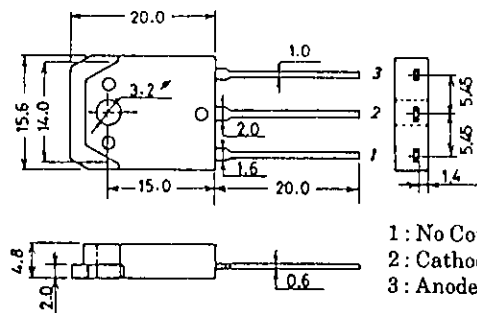
- High breakdown voltage (V_{RRM} : 1500V).
- High reliability.
- Capable of being mounted easily and dissipating heat rapidly because of one-point fixing type plastic molded package.
- Fast forward/reverse recovery time.

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

Absolute Maximum Ratings at Ta=25 °C				unit
Repetitive Peak Reverse Voltage	VRRM		1500	V
Nonrepetitive Peak Reverse Voltage	VRSM		1500	V
Average Output Current	Io		5	A
Peak Output Current	Iop	PW ≤ 100μs,duty ≤ 50%	20	A
Surge Forward Current	IFSM	10ms sine wave	50	A
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

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

			min	typ	max	unit
Reverse Voltage	V_R	$I_R = 1\text{mA}$	1500			V
Forward Voltage	V_F	$I_F = 5\text{A}$			2	V
Reverse Current	I_R	$V_R = 1000\text{V}$			200	μA
Reverse Recovery Time	t_{rr}	$I_F = I_R = 100\text{mA}$			1	μs
Forward Recovery Time	t_{fr}	$I_F = 100\text{mA}$	0.1	0.2		μs
Junction Capacitance	C_j	$V_R = 10\text{V}, f = 100\text{kHz}$	90			pF
Thermal Resistance	$R_{th(j-c)}$	Junction-Case			1.25	$^\circ\text{C/W}$

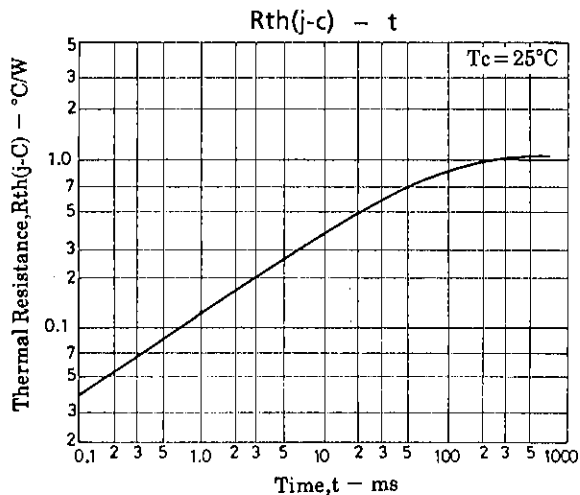
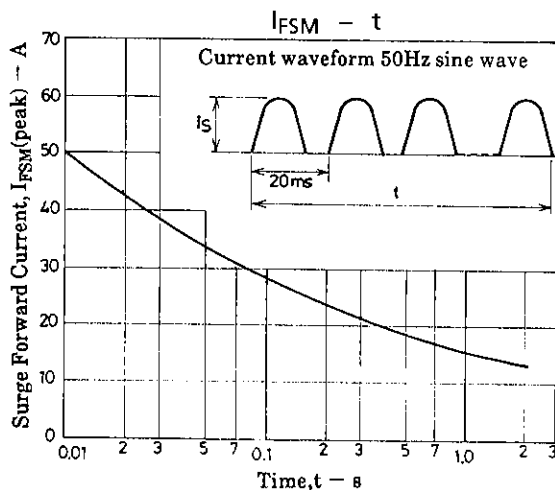
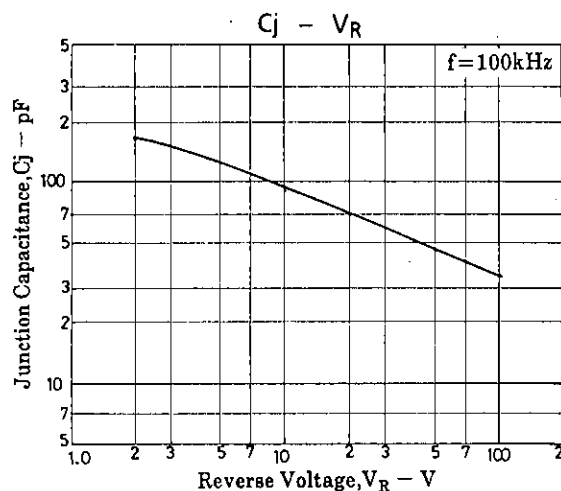
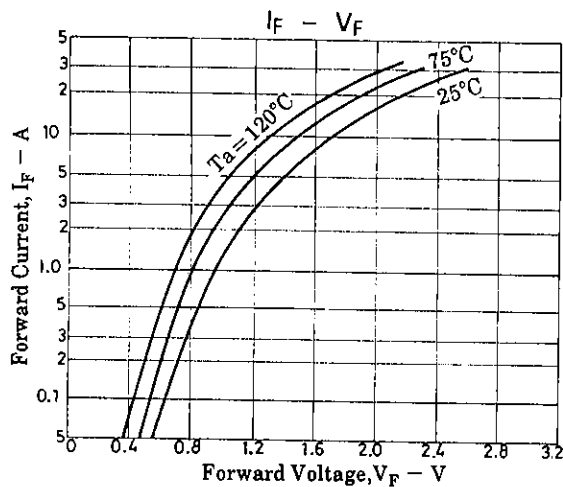
Package Dimensions 1185A
(unit : mm)

1: No Contact
2: Cathode
3: Anode

SANYO: TO3PB

SANYO Electric Co., Ltd. Semiconductor Business Headquarters

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN



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