

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.

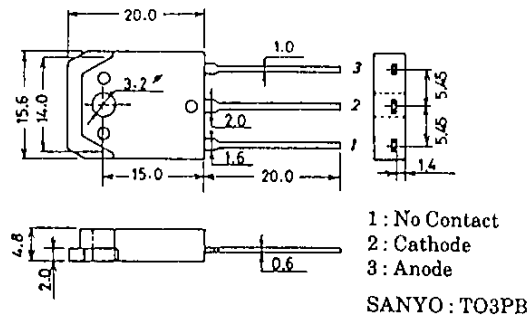
Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

			unit
Repetitive Peak Reverse Voltage	V_{RRM}	1500	V
Nonrepetitive Peak Reverse Voltage	V_{RSM}	1500	V
Average Output Current	I_o	5	A
Peak Output Current	I_{op}	$PW \leq 100\mu\text{s}, \text{duty} \leq 50\%$	20 A
Surge Forward Current	I_{FSM}	10ms sine wave	50 A
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

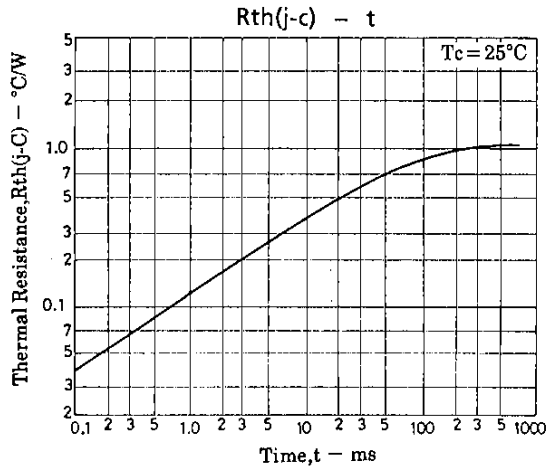
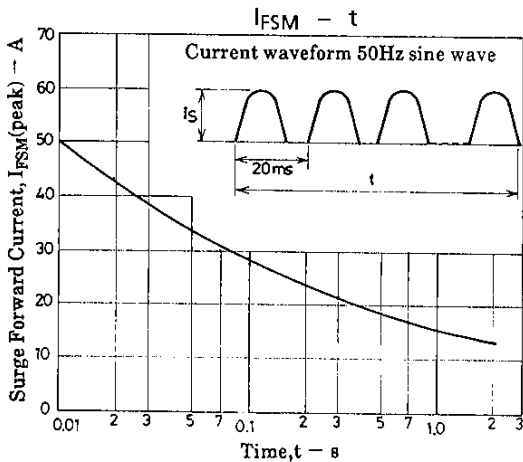
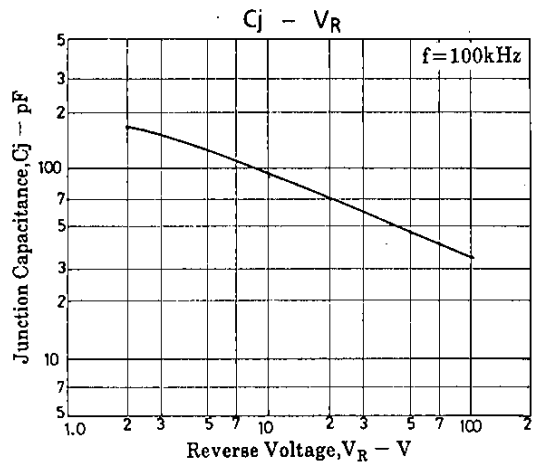
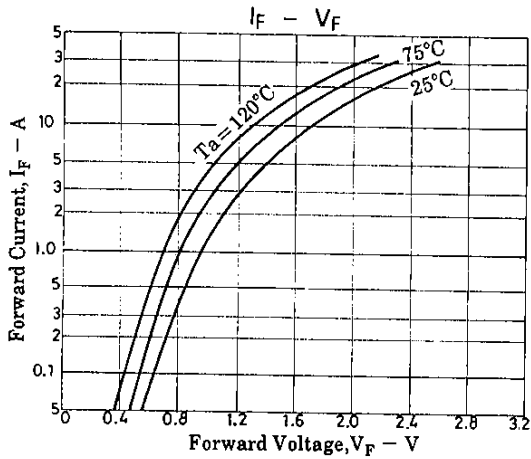
Electrical Characteristics at $T_a = 25^\circ\text{C}$

			min	typ	max	unit
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)



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