Ordering number: EN 2800A

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.

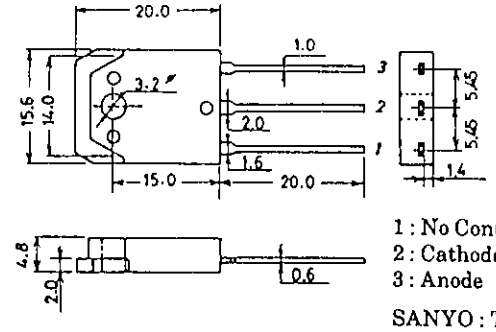
Absolute Maximum Ratings at Ta = 25°C

				unit
Repetitive Peak Reverse Voltage	V_{RRM}		1500	V
Nonrepetitive Peak Reverse Voltage	V_{RSM}		1500	V
Average Output Current	Io		5	A
Peak Output Current	Iop	PW≦100μs,duty≦50%	20	A
Surge Forward Current	I_{FSM}	10ms sine wave	50	A
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		−55 to +150	°C

Electrical Characteristics at Ta = 25°C

			min	typ	max	unit
Reverse Voltage	V_R	I_R = 1mA	1500			V
Forward Voltage	V_F	I_F = 5A			2	V
Reverse Current	I_R	V_R = 1000V			200	μA
Reverse Recovery Time	trr	I_F = I_R = 100mA			1	μs
Forward Recovery Time	tfr	I_F = 100mA		0.1	0.2	μs
Junction Capacitance	Cj	V_R = 10V,f = 100kHz		90		pF
Thermal Resistance	Rth(j-c)	Junction-Case			1.25	°C/W

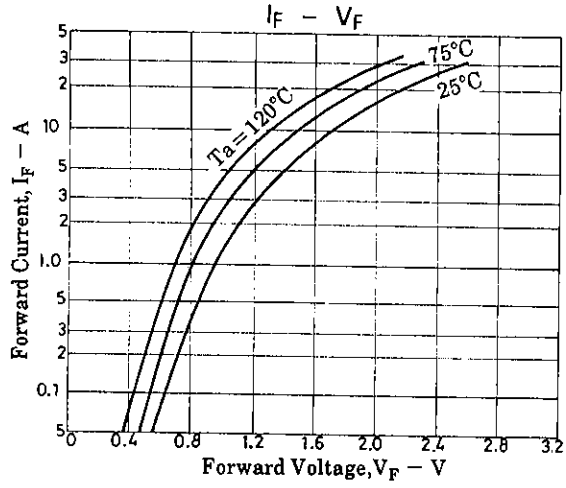
Package Dimensions 1185A
(unit : mm)

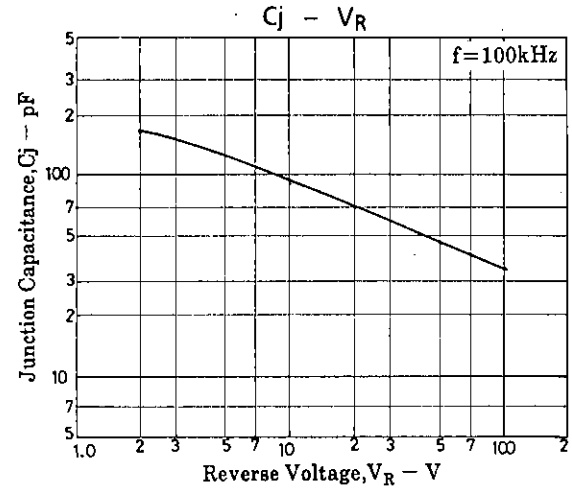


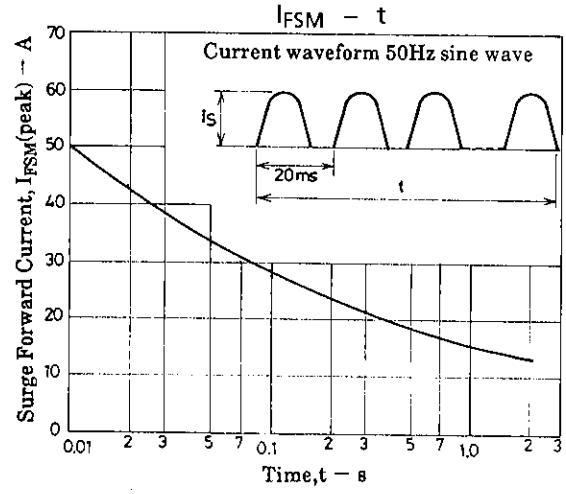
1 : No Contact
2 : Cathode
3 : Anode

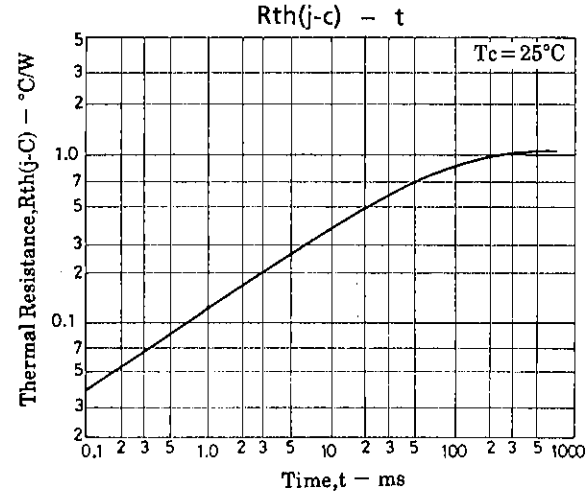
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