

SANYO

No.2953

DD20R

Diffused Junction Type Silicon Diode

Damper Diode for
Very High-Definition Display Applications

Features

- High breakdown voltage (V_{RRM} : -1500V)
- High reliability
- One-point fixing type plastic molded package facilitating easy mounting and heat dissipation
- Fast forward/reverse recovery time

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

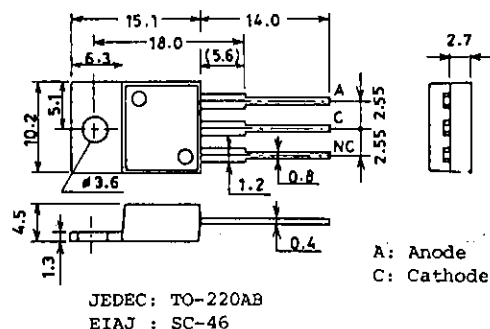
			unit
Repetitive Peak Reverse Voltage	V_{RRM}	-1500	V
Nonrepetitive Peak Reverse Voltage	V_{RSM}	-1500	V
Average Output Current	I_O	2	A
Peak Output Current	i_{op}	$PW \leq 100\mu s, \text{duty} \leq 50\%$	A
Surge Forward Current	I_{FSM}	Sine wave 10ms	A
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

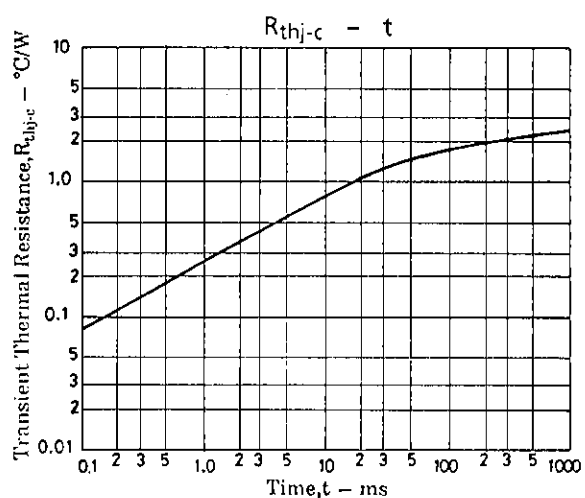
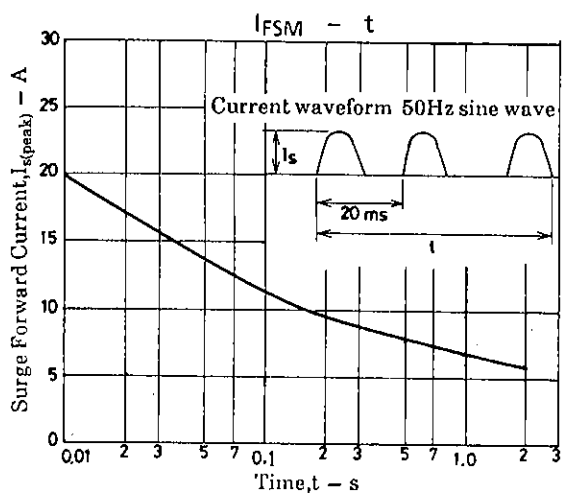
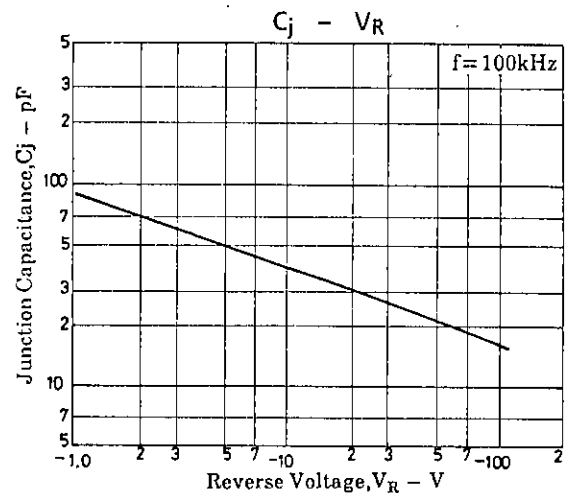
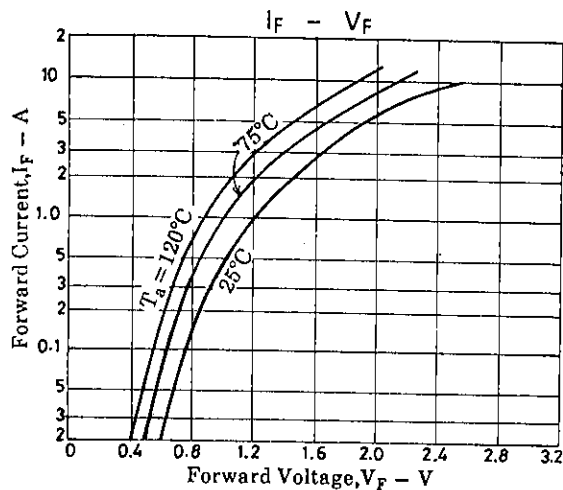
Electrical Characteristics at $T_a = 25^\circ\text{C}$

			min	typ	max	unit
Reverse Voltage	V_R	$I_R = -1\text{mA}$	-1500			V
Forward Voltage	V_F	$I_F = 2\text{A}$			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	$V_R = -10\text{V}, f = 100\text{kHz}$		40		pF
Thermal Resistance	R_{thj-c}	Junction-Case			2.5	$^\circ\text{C/W}$

Package Dimensions 1211A

(unit: mm)





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