

<b>SANYO</b>	No.2953	<b>DD20R</b>
		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

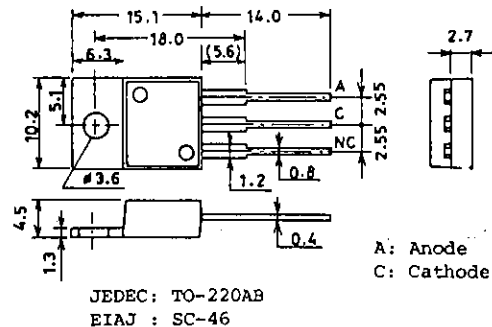
**Absolute Maximum Ratings at  $T_a = 25^\circ C$**

			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	$i_{op}$	$PW \leq 100\mu s, duty \leq 50\%$	10 A
Surge Forward Current	$I_{FSM}$	Sine wave 10ms	20 A
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature	$T_{stg}$	-55 to +150	$^\circ C$

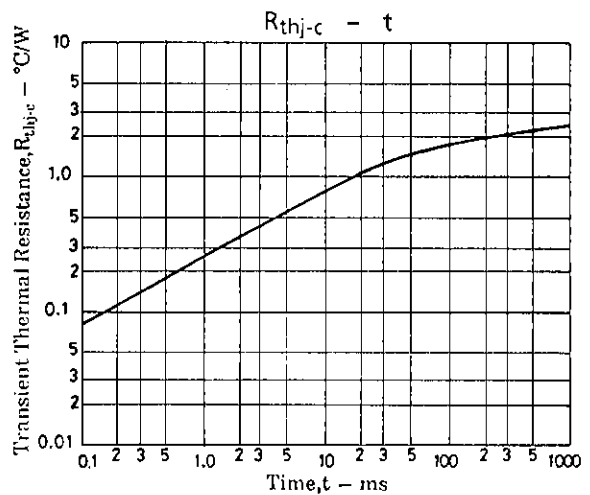
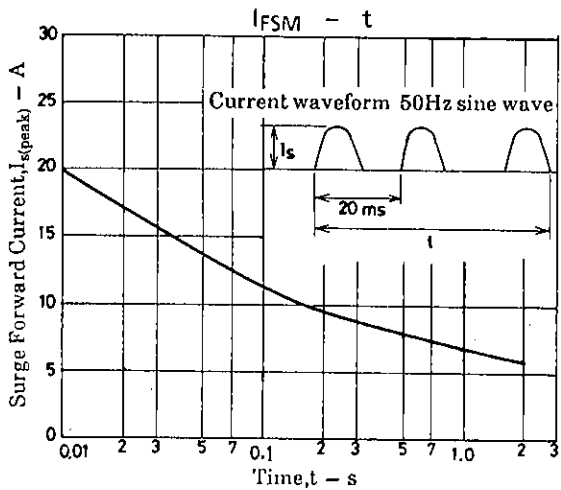
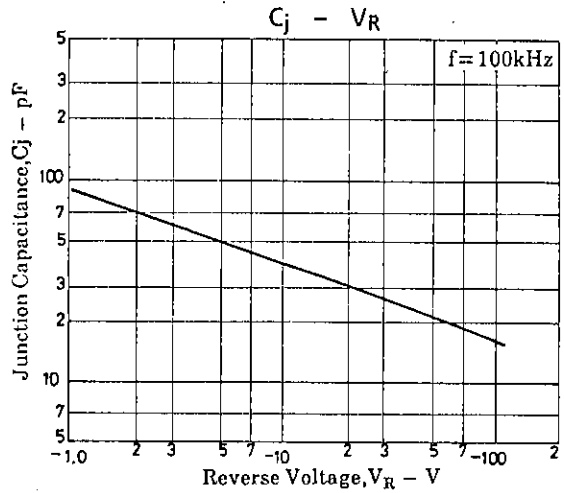
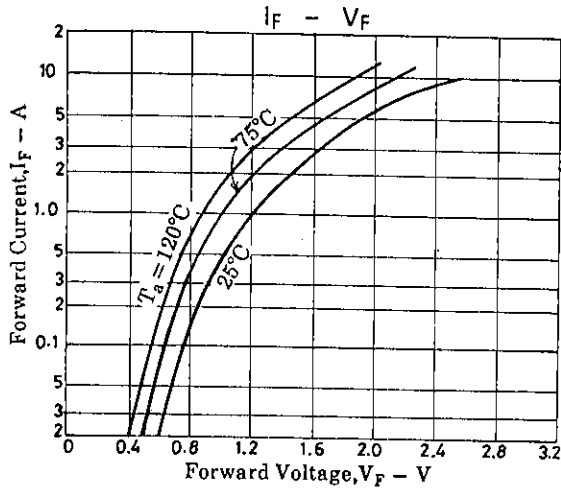
**Electrical Characteristics at  $T_a = 25^\circ C$**

			min	typ	max	unit
Reverse Voltage	$V_R$	$I_R = -1mA$	-1500			V
Forward Voltage	$V_F$	$I_F = 2A$			2	V
Reverse Current	$I_R$	$V_R = -1000V$			-200	$\mu A$
Reverse Recovery Time	$t_{rr}$	$I_F = -I_R = 100mA$			1	$\mu s$
Forward Recovery Time	$t_{fr}$	$I_F = 100mA$	0.1	0.2		$\mu s$
Junction Capacitance	$C_j$	$V_R = -10V, f = 100kHz$	40			pF
Thermal Resistance	$R_{thj-c}$	Junction-Case			2.5	$^\circ C/W$

**Package Dimensions 1211A**  
( unit: mm )



# DD20R



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