

**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  $T_a = 25^\circ\text{C}$** 

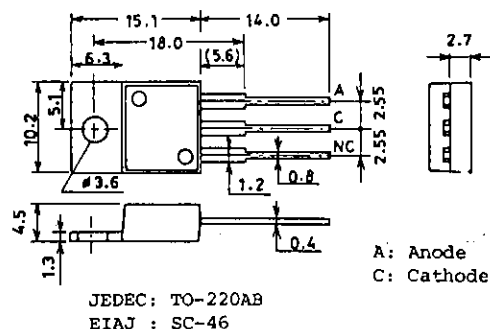
			unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	-1500	V
Nonrepetitive Peak Reverse Voltage	$V_{RSM}$	-1500	V
Average Output Current	$I_O$	2	A
Peak Output Current	$i_{op}$	$PW \leq 100\mu s, \text{duty} \leq 50\%$	10 A
Surge Forward Current	$I_{FSM}$	Sine wave 10ms	20 A
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to +150	$^\circ\text{C}$

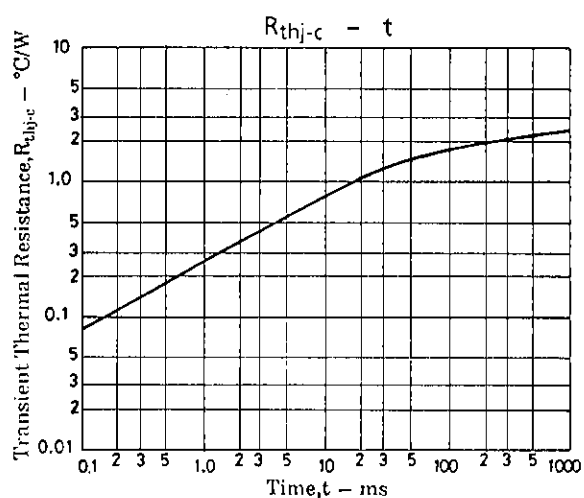
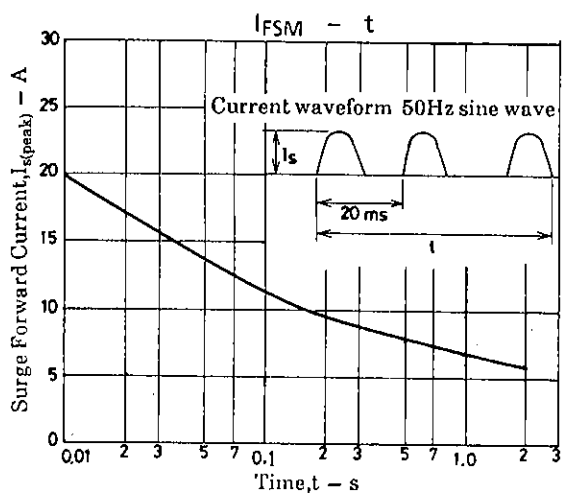
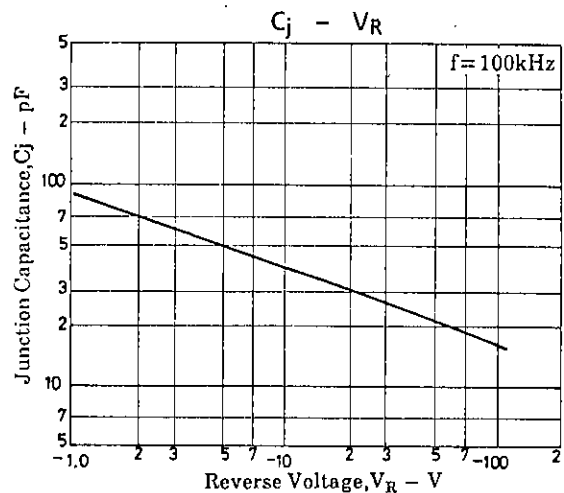
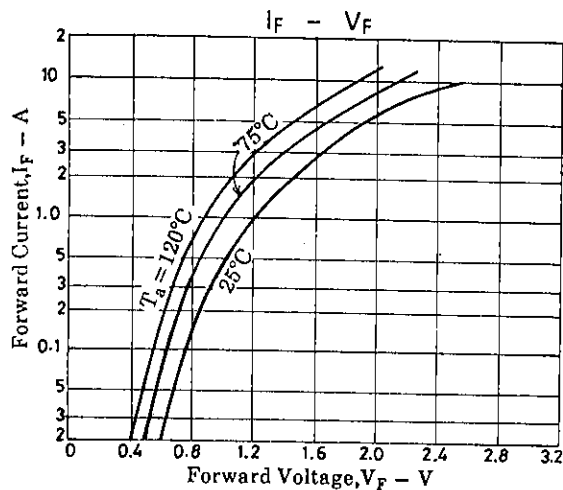
**Electrical Characteristics at  $T_a = 25^\circ\text{C}$** 

			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	$\mu\text{A}$
Reverse Recovery Time	$t_{rr}$	$I_F = -I_R = 100\text{mA}$			1	$\mu\text{s}$
Forward Recovery Time	$t_{fr}$	$I_F = 100\text{mA}$		0.1	0.2	$\mu\text{s}$
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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