

No.2953

DD20R

Diffused Junction Type Silicon Diode

Damper Diode for

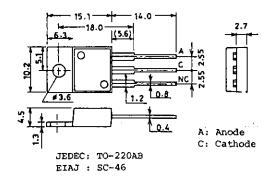
Very High-Definition Display Applications

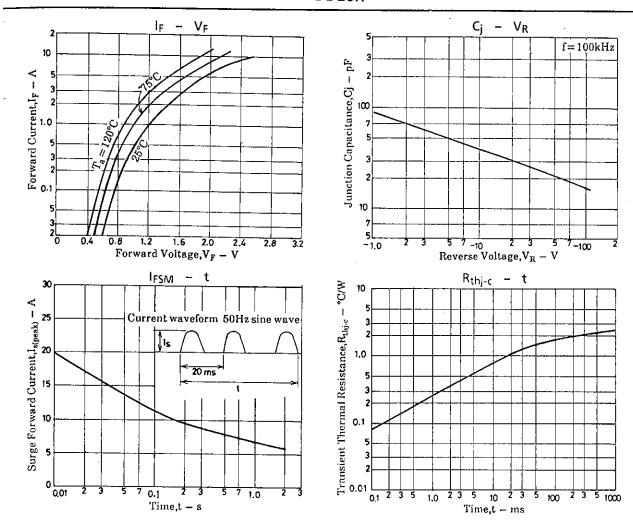
Features

- \cdot 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 Ta = 25 Repetitive Peak Reverse Voltage Nonrepetitive Peak Reverse Voltage Average Output Current Peak Output Current	${ m ^{\circ}C}$ ${ m V_{RRM}}$ ${ m V_{RSM}}$ ${ m I_{O}}$ ${ m i_{op}}$	PW≤100µs,duty≤50%		500 500 2 10	unit V V A A	
Surge Forward Current Junction Temperature	I _{FSM}	Sine wave 10ms		20	A	
Storage Temperature	Tj Tstg	·	-55 to +	150 150	°C	
Electrical Characteristics at Ta = 25°C			min	typ	max	unit
Reverse Voltage	$V_{ m R}$	$I_{R} = -1 \text{mA}$	-1500			V
Forward Voltage	$V_{\mathbf{F}}$	$I_F = 2A$			2	V
Reverse Current	$I_{\mathbf{R}}$	$V_R = -1000V$			-200	μA
Reverse Recovery Time	t_{rr}	$I_{\rm F} = -I_{\rm R} = 100 {\rm mA}$			1	μs
Forward Recovery Time	t_{fr}	$l_F = 100 \text{mA}$		0.1	0.2	μs
Junction Capacitance	Cj	$V_R = -10V, f = 100kHz$		40		pF
Thermal Resistance	Rthj-c	Junction-Case			2.5	°C/W

Package Dimensions 1211A (unit: mm)





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