

No.5124

DD82RC

Silicon Diffused Junction Type

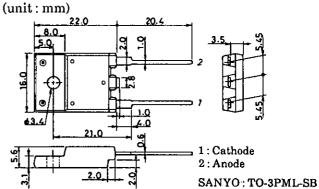
Damper Diode for Very High-Definition
Display Applications

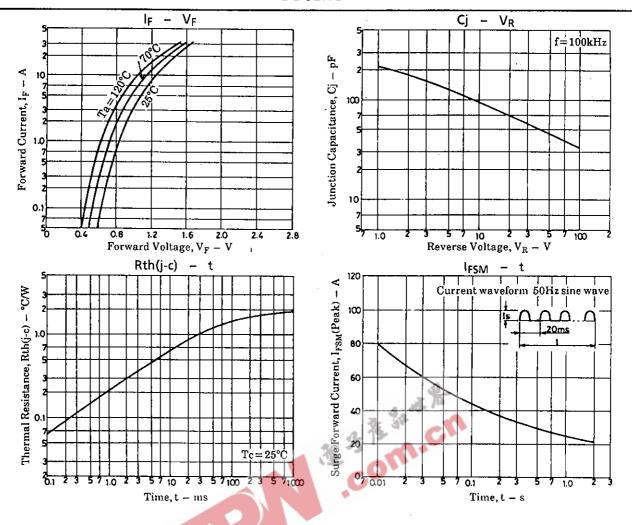
Features

- · 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 Ta = 25°C unit					
Repetitive Peak Reverse Voltage			1500	V	
Non-repetitive Peak	V_{RSM}		1500	V	
Reverse Voltage					
Average Output Current	lo		8	Α	
Peak Output Current	lop	$PW \le 100 \mu s$, $duty \le 50\%$	32	Α	
Surge Forward Current	I_{FSM}	Sine wave, 10ms	80	Α	
Junction Temperature	Tj	A 75	150	$^{\circ}\mathrm{C}$	
Storage Temperature	\mathbf{Tstg}	- 55 t	ю +150	$^{\circ}\mathrm{C}$	
_		23 6			
Electrical Characteristics at Ta = 25°C		mi	n typ	max	unit
Reverse Voltage V	R	$I_{R} = 1 \text{ mA} $ 150	0		V
Forward Voltage V	F	$I_{\mathbf{F}} = 8A$		1.8	V
Reverse Current I _I	3	$V_R = 1000V$		200	μA
Reverse Recovery Time t _r	T C	$I_F = 100 \text{mA}, I_R = 100 \text{mA}$		1.5	μ S
	r	$I_F = 100 \text{mA}$	0.1	0.2	μ S
Junction Capacitance		$V_R = 10V, f = 100kHz$	90		рF
Thermal Resistance R	th(j-c)	Junction - Case		2.0	°C/W

Package Dimensions 1252A





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