

No.5122A

DD54SC

Silicon Diffused Junction Type

Damper Diode for Ultrahigh-Definition
Display Applications

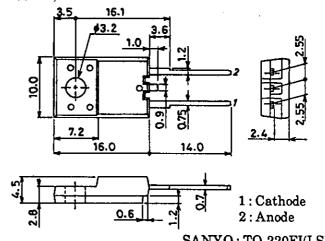
Features

- \cdot High breakdown voltage (V_{RRM} : 1600V).
- · High reliability.
- · One-point fixing type plastic molded package facilitating easy mounting and heat dissipation.
- · Fast forward/reverse recovery time.

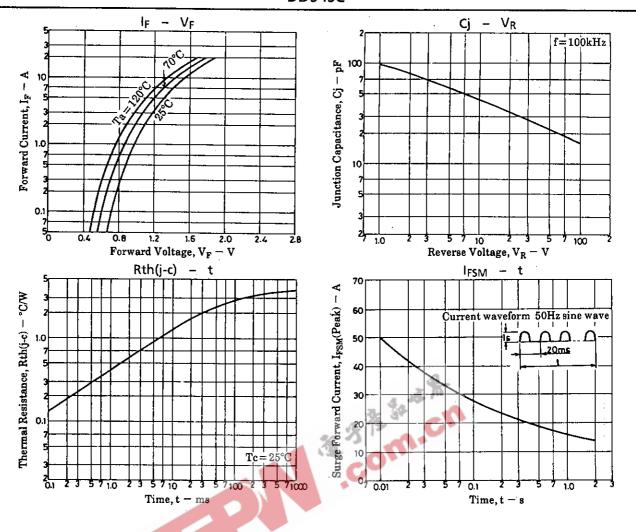
Absolute Maximum Ratings at Ta = 25°C uni						
Repetitive Peak Reverse Voltage	v_{RRM}			1600	V	
Non-repetitive Peak	V_{RSM}			1600	V	
Reverse Voltage	2004.2					
Average Output Current	Io			5	Α	
Peak Output Current	Iop	$PW \leq 100 \mu s$, duty $\leq 50\%$		20	Α	
Surge Forward Current	I_{FSM}	Sine wave, 10ms		50	Α	
Junction Temperature	Tj	3 /4		150	$^{\circ}\mathrm{C}$	
Storage Temperature	Tstg	4.4	_55 to -	+150	$^{\circ}\mathrm{C}$	
		2.卷				
Electrical Characteristics at $Ta = 25$ °C		32 73	min	typ	max	unit
	$I_{ m R}$	$I_R = 1 \text{mA}$	1600			V
	$I_{\mathbf{F}}$	$I_F = 5A$			1.8	V
	r 🥏	$V_R = 1000V$			200	$\mu \mathbf{A}$
Reverse Recovery Time t	rr	$I_F = 100 \text{mA}, I_R = 100 \text{mA}$			1.5	μs
	fr	$I_F = 100 \text{mA}$		0.1	0.2	μs
	j	$V_R = 10V, f = 100kHz$		40		\mathbf{pF}
Thermal Resistance	Rth(j-c)	Junction - Case			3.75	°C/W

Package Dimensions 1253

(unit: mm)



SANYO: TO-220FI(LS)-SB



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