

Ordering number: EN5123

SANYO	No.5123	DD82SC
		Silicon Diffused Junction Type Damper Diode for Very High-Definition Display Applications

Features

- 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 $T_a = 25^\circ C$

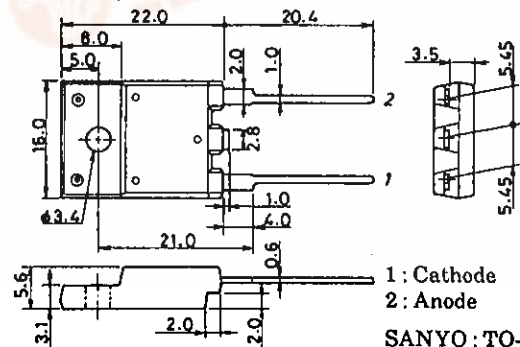
			unit
Repetitive Peak Reverse Voltage	V_{RRM}	1600	V
Non-repetitive Peak Reverse Voltage	V_{RSM}	1600	V
Average Output Current	I_o	8	A
Peak Output Current	I_{op}	$PW \leq 100\mu s, duty \leq 50\%$	32
Surge Forward Current	I_{FSM}	Sine wave, 10ms	80
Junction Temperature	T_j		150
Storage Temperature	T_{stg}		-55 to +150

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

			min	typ	max	unit
Reverse Voltage	V_R	$I_R = 1mA$	1600			V
Forward Voltage	V_F	$I_F = 8A$			1.8	V
Reverse Current	I_R	$V_R = 1000V$			200	μA
Reverse Recovery Time	t_{rr}	$I_F = 100mA, I_R = 100mA$			1.5	μs
Forward Recovery Time	t_{fr}	$I_F = 100mA$		0.1	0.2	μs
Junction Capacitance	C_j	$V_R = 10V, f = 100kHz$		90		pF
Thermal Resistance	$R_{th(j-c)}$	Junction - Case			2.0	$^\circ C/W$

Package Dimensions 1252A

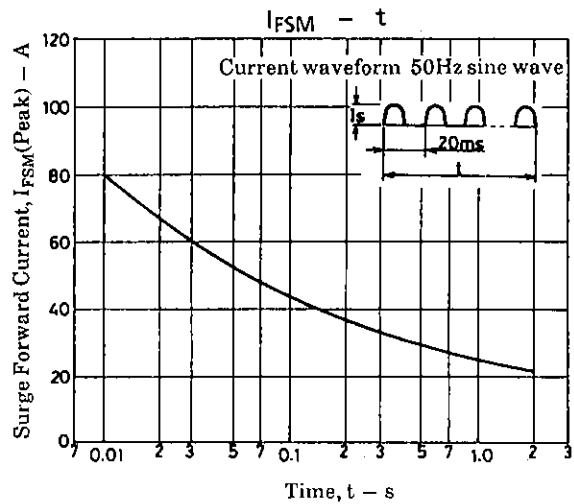
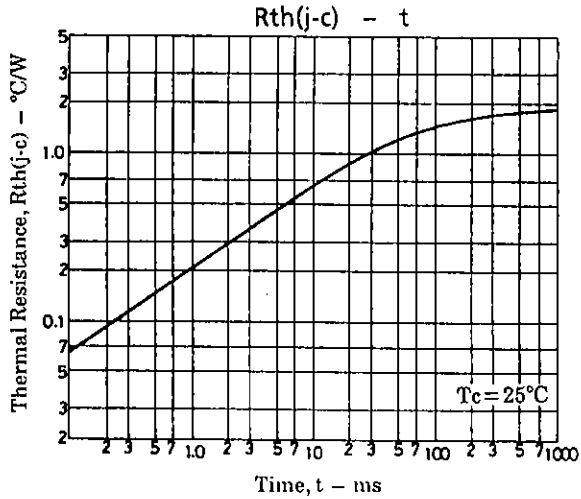
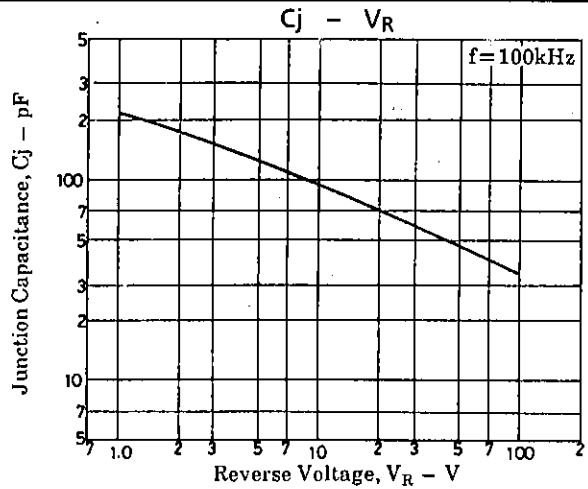
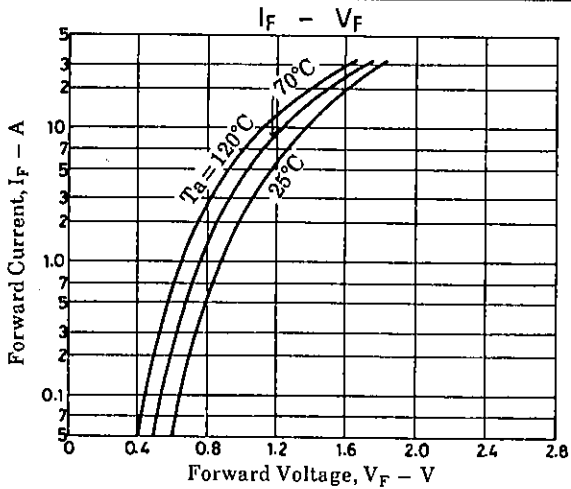
(unit: mm)



1: Cathode
2: Anode

SANYO : TO-3PML-SB





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