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.

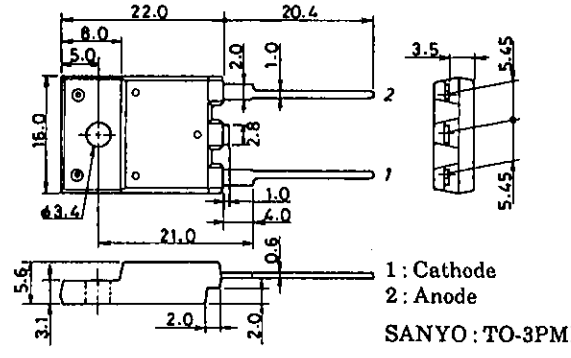
Absolute Maximum Ratings at Ta = 25°C

				unit
Repetitive Peak Reverse Voltage	V_{RRM}		1600	V
Non-repetitive Peak Reverse Voltage	V_{RSM}		1600	V
Average Output Current	Io		8	A
Peak Output Current	Iop	PW≦100μs, duty≦50%	32	A
Surge Forward Current	I_{FSM}	Sine wave, 10ms	80	A
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		−55 to +150	°C

Electrical Characteristics at Ta = 25°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	Cj	V_R = 10V, f = 100kHz		90		pF
Thermal Resistance	Rth(j-c)	Junction - Case			2.0	°C/W

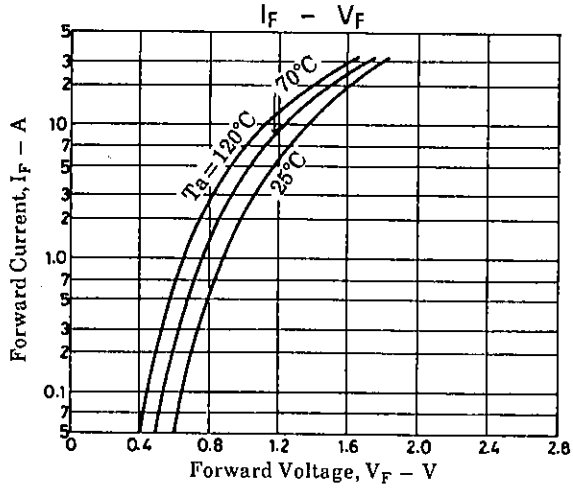
Package Dimensions 1252A
(unit : mm)

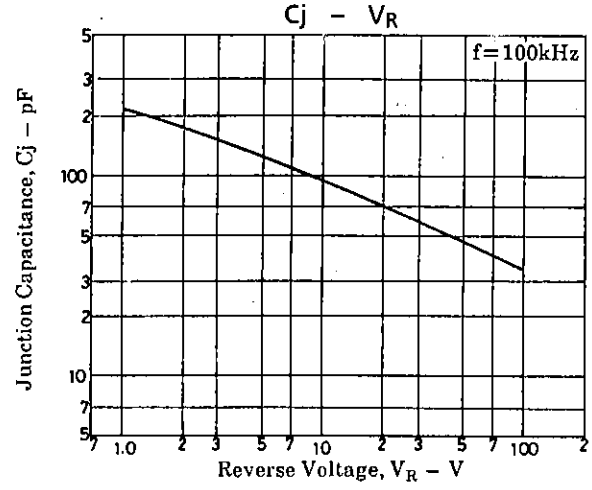


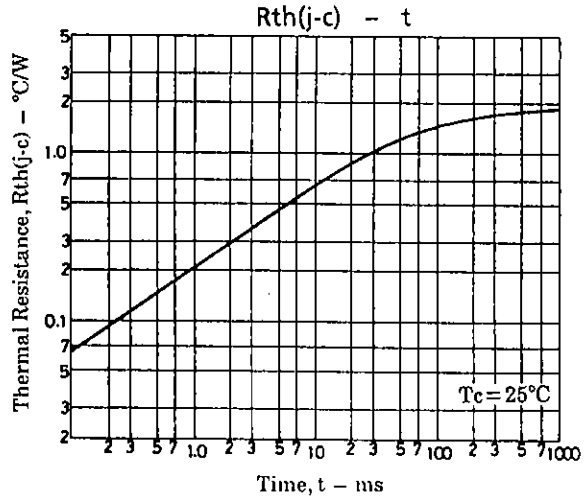
1 : Cathode
2 : Anode

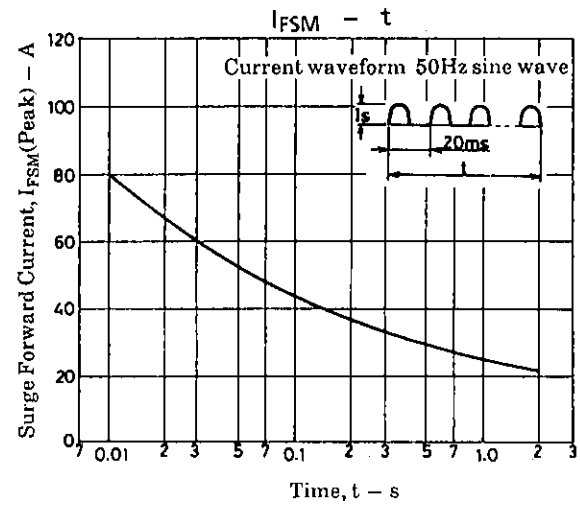
SANYO : TO-3PML-SB

SANYO Electric Co.,Ltd. Semiconductor Business Headquarters
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN









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