

DD52RC

Silicon Diffused Junction Type
Damper Diode for
Ultrahigh-Definition Display Applications

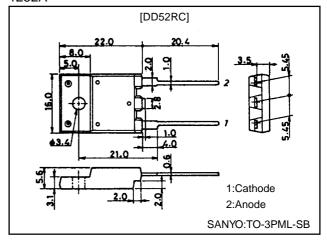
Features

- \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.

Package Dimensions

unit:mm

1252A



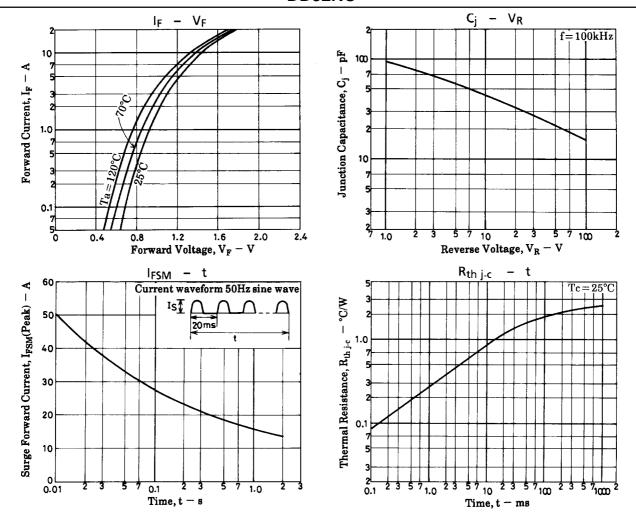
Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	V _{RRM}		1500	V
Non-repetitive Peak Reverse Voltage	V _{RSM}		1500	V
Average Output Current	Io		5	Α
Peak Output Current	I _{OP}	PW≤100μs, duty≤50%	20	Α
Surge Forward Current	IFSM	Sine wave, 10ms	50	Α
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	٧R	I _R =1mA	1500			V
Forward Voltage	٧F	I _F =5A			1.8	V
Reverse Current	I _R	V _R =1000V			200	μΑ
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		40		pF
Thermal Resistance	Rthj-c	Junction-Case			2.5	°C/W



- No products described or contained herein are intended for use in surgical implants, life-support systems, aerospace equipment, nuclear power control systems, vehicles, disaster/crime-prevention equipment and the like, the failure of which may directly or indirectly cause injury, death or property loss.
- Anyone purchasing any products described or contained herein for an above-mentioned use shall:
 - ① Accept full responsibility and indemnify and defend SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors and all their officers and employees, jointly and severally, against any and all claims and litigation and all damages, cost and expenses associated with such use:
 - ② Not impose any responsibilty for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.
- Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. SANYO believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.

This catalog provides information as of June, 1998. Specifications and information herein are subject to change without notice.

This datasheet has been download from:

www.datasheetcatalog.com

Datasheets for electronics components.