

SANYO Semiconductors DATA SHEET

RE0208M — Fast Recovery Diode for Flash Circuit 800V, 200mA Rectifier

Applications

· Voltage rectification for flash circuit etc.

Features

- High voltage (VRRM=800V).
- · Reverse recovery time is fast.
- · Ultrasmall-size package permitting applied sets to be small and slim.
- · Halogen free compliance.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		800	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		800	V
Average Output Current	I _O	DC.When mounted on ceramic substrate	0.2	Α
Surge Forward Current	I _{FSM}	50Hz sine wave, 1 cycle	1	Α
Junction Temperature	Tj		-55 to +150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Reverse Voltage	VR	I _R =1mA	800			V
Forward Voltage	V _F 1	I _F =10mA		1.3	1.6	V
	V _F 2	I _F =100mA		3.2	4.0	V
Reverse Current	I _R 1	V _R =400V			3	μΑ
	I _R 2	V _R =800V			50	μΑ

Marking: 2B Continued on next page.

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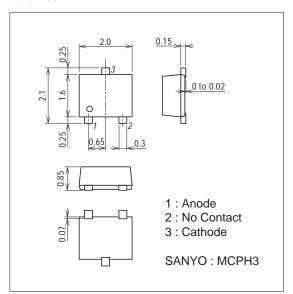
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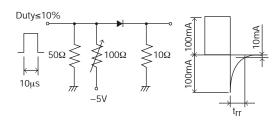
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	UIIIL
Reverse Recovery Time	t _{rr}	I _F =I _R =100mA, See specified Test Circuit.		33	55	ns
Thermal Resistance	Rth(j-c)	When mounted on ceramic substrate (40mmx50mmx0.8mm)		120		°C/W

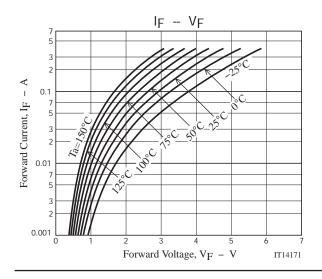
Package Dimensions

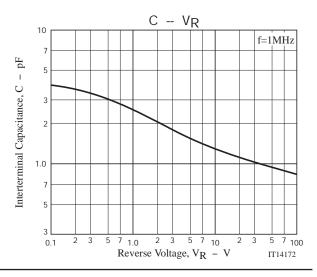
unit : mm (typ) 7019A-001



trr Test Circuit







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