

# SANYO Semiconductors DATA SHEET

## DS135A — Diffused Junction Type Silicon Diode 1.0A Power Rectifier

### Features

- Plastic molded structure.
- Peak reverse voltage :  $V_{RM}$  = -100 to -400V.
- Average output current : IO=1.0A.

## **Specifications**

#### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	DS135AE	DS135AD	DS135AC	Unit
Peak Reverse Voltage	VRM		-100	-200	-400	V
Average Output Current	IO	Ta=60°C	1.0			
Surge Forward Current	IFSM	50Hz sine wave, 1cycle	45			
Junction Temperature	Tj		150			
Storage Temperature	Tstg		-40 to +150			

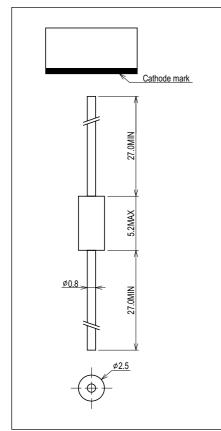
#### Electrical Characteristics at Ta=25°C

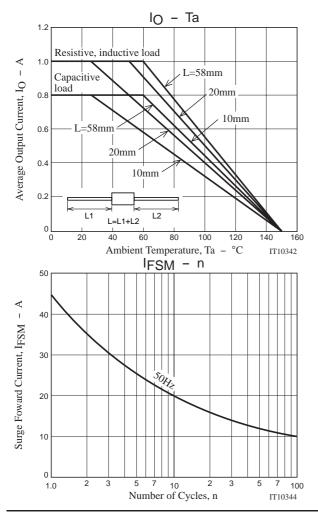
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Forward Voltage	VF	IF=1.0A			1.0	V
Reverse Current	IR	V <sub>R</sub> : At each V <sub>RM</sub>			-10	μΑ

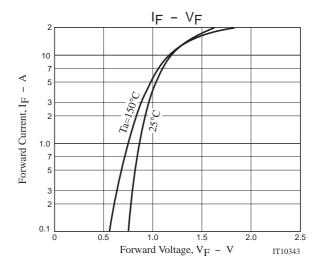
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#### Package Dimensions

unit : mm (typ) 7808-001







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