



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 :  $I_O = 1.0A$ .

### Specifications

#### Absolute Maximum Ratings at $T_a = 25^\circ C$

Parameter	Symbol	Conditions	DS135AE	DS135AD	DS135AC	Unit
Peak Reverse Voltage	$V_{RM}$		-100	-200	-400	V
Average Output Current	$I_O$	$T_a = 60^\circ C$	1.0			A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1cycle	45			A
Junction Temperature	$T_j$		150			$^\circ C$
Storage Temperature	$T_{stg}$		-40 to +150			$^\circ C$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F = 1.0A$			1.0	V
Reverse Current	$I_R$	$V_R$ : At each $V_{RM}$			-10	$\mu A$

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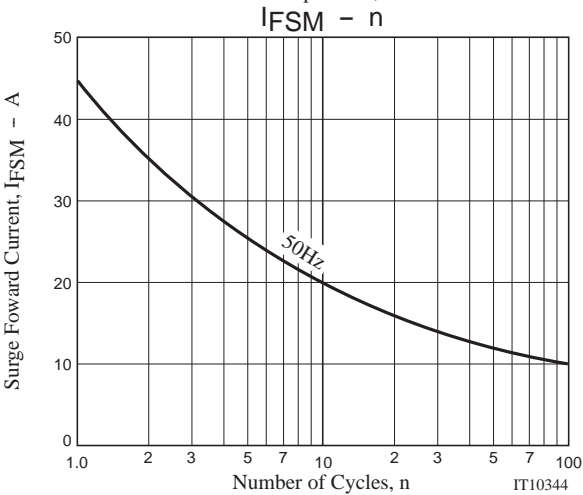
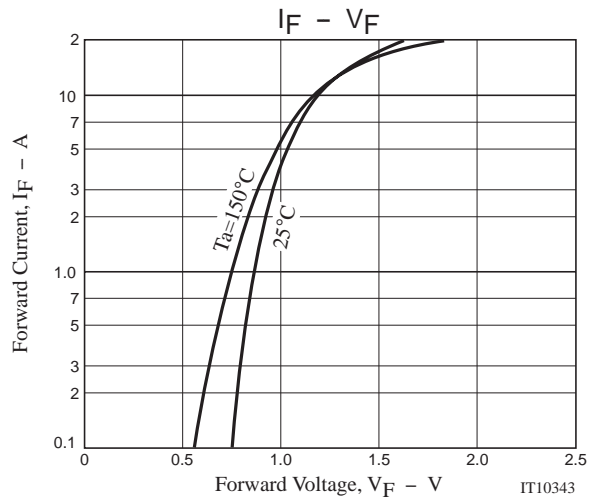
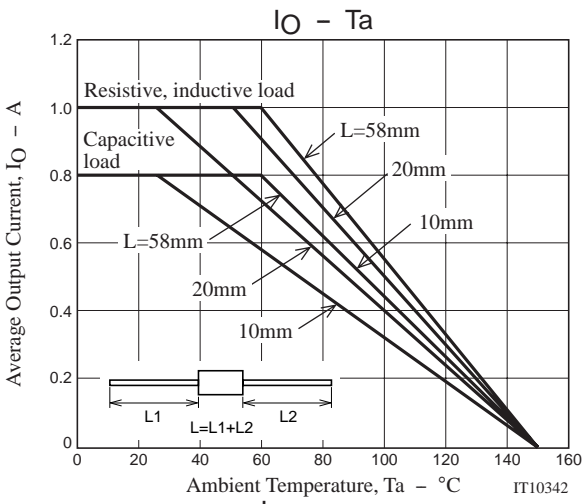
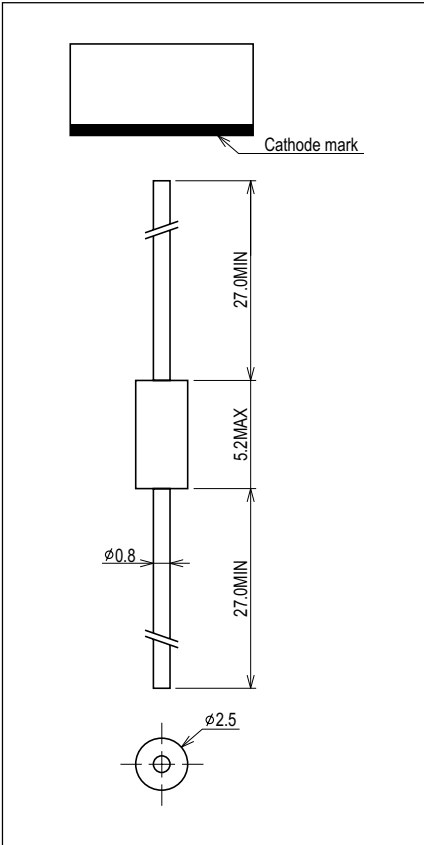
**SANYO Semiconductor Co., Ltd.**

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**Package Dimensions**

unit : mm (typ)

7808-001



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