

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: DSF10TB-BT
Manufacturer: onsemi
Package: DO-204AL, DO-41, Axial
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/onsemi/dsf10tb-bt.html>

Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

Contact Information

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.



SANYO Semiconductors

DATA SHEET

DSF10T — Diffused Junction Type Silicon Diode

1.0A Power Rectifier

Features

- Meets automatic mounting requirements.
- Plastic molded structure (small size).
- Peak reverse voltage : $V_{RM}=100$ to $200V$.
- Average rectified current : $I_O=1.0A$.

Specifications

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

Parameter	Symbol	Conditions	DSF10TB	DSF10TC	Unit
Peak Reverse Voltage	V_{RM}		100	200	V
Average Rectified Current	I_O	$T_a=25^{\circ}C$	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	μA

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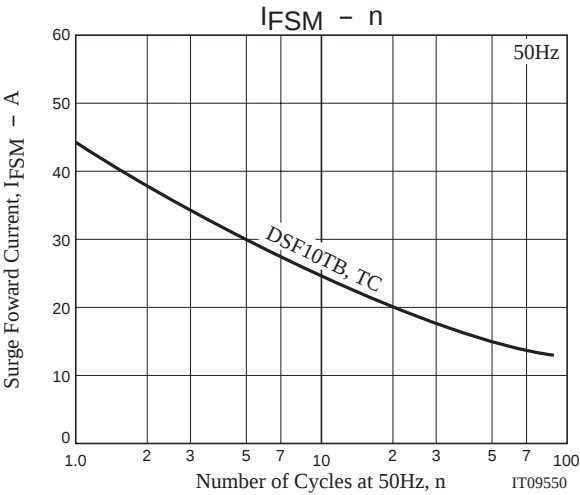
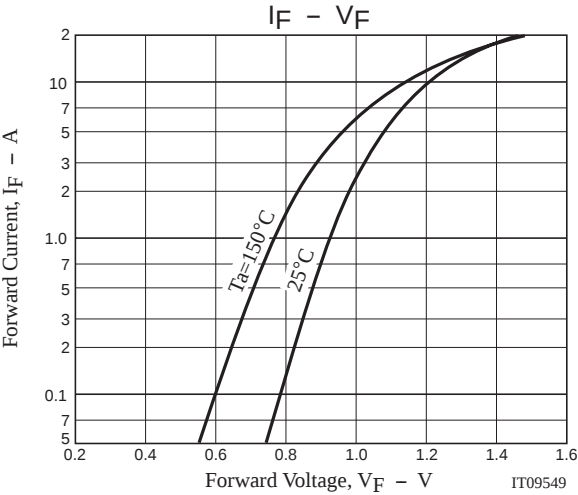
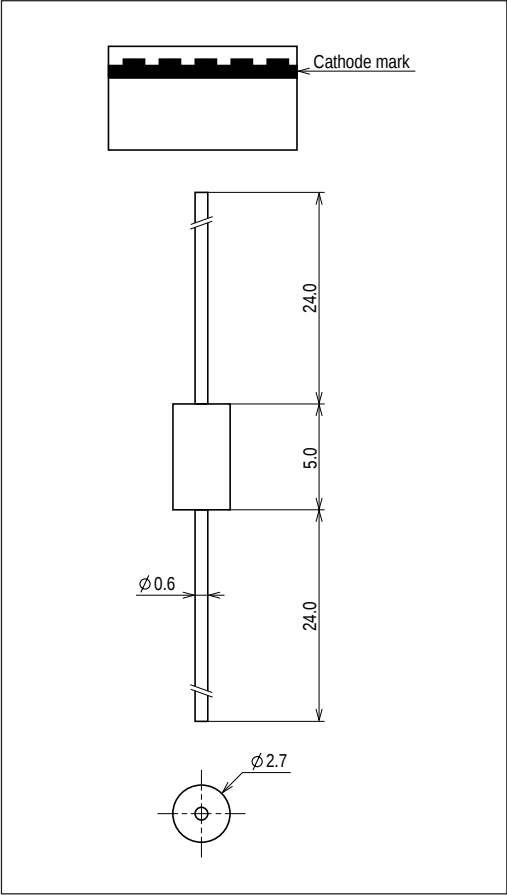
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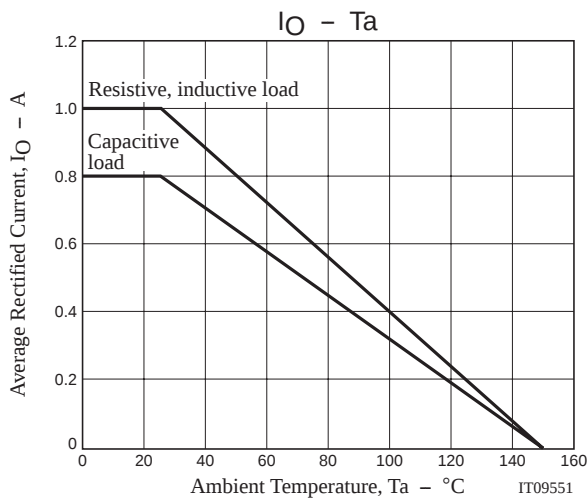
SANYO Semiconductor Co., Ltd.

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

Package Dimensions

unit : mm (typ)
1004B





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