



# DSK10B, DSK10C, DSK10E

## 1.0A Power Rectifier

ON Semiconductor®

<http://onsemi.com>

### Features

- Designed for 5mm-pitch automatic insertion
- Small plastic molded structure (3mm body)
- Peak reverse voltage : 100 to 400V
- Average output current : 1.0A

### Specifications

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

Parameter	Symbol	Conditions	DSK10B	DSK10C	DSK10E	Unit
Peak Reverse Voltage	V <sub>RM</sub>		100	200	400	V
Average Rectified Current	I <sub>O</sub>		1.0			A
Surge Forward Current	I <sub>FSM</sub>	50Hz sine wave, 1cycle	45			A
Junction Temperature	T <sub>J</sub>		150			°C
Storage Temperature	T <sub>stg</sub>		-40 to +150			°C

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

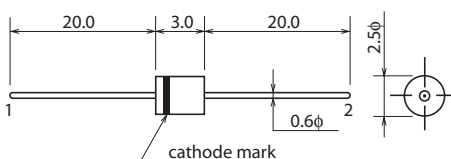
#### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Value			Unit
			min	typ	max	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =1.0A			1.1	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> :At each V <sub>RM</sub>			10	μA

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

### Package Dimensions

unit:mm(typ.)

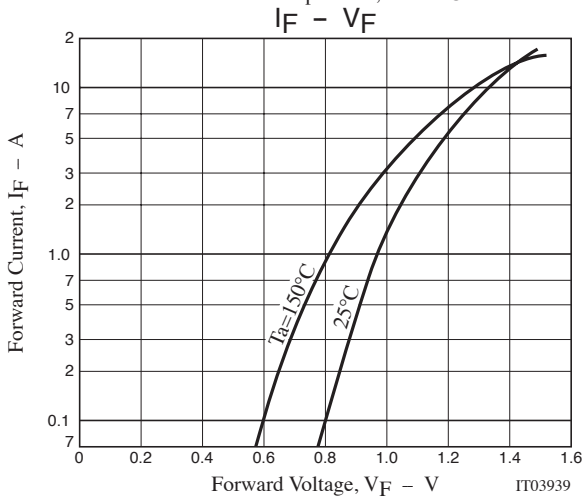
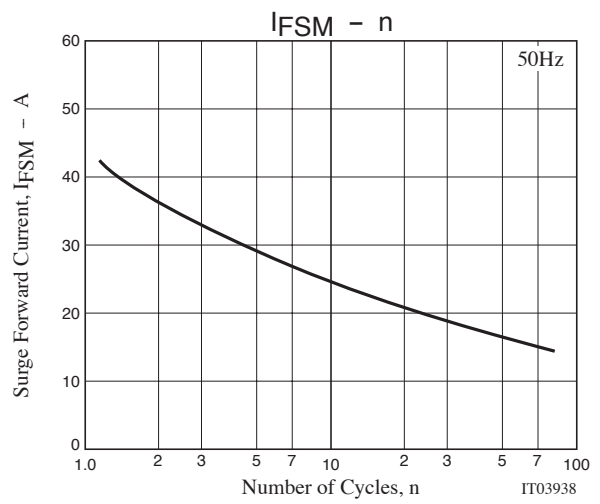
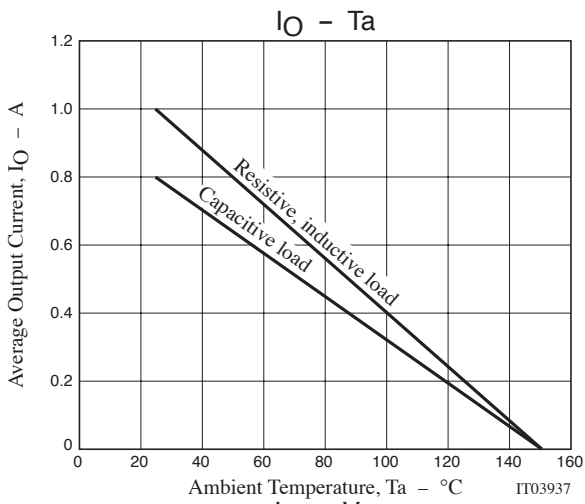


1 : Cathode  
2 : Anode

### Ordering Information

Device	Shipping	memo
DSK10B	500 Unit/Bag	Pb-Free
DSK10B-AT1	3,000 Unit/Box	
DSK10B-BT	3,000 Unit/Box	
DSK10C	500 Unit/Bag	
DSK10C-AT1	3,000 Unit/Box	
DSK10C-BT	3,000 Unit/Box	
DSK10C-ET1	3,000 Unit/Box	
DSK10E	500 Unit/Bag	
DSK10E-AT1	3,000 Unit/Box	
DSK10E-BT	3,000 Unit/Box	
DSK10E-ET1	3,000 Unit/Box	

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