

# **DSK10**

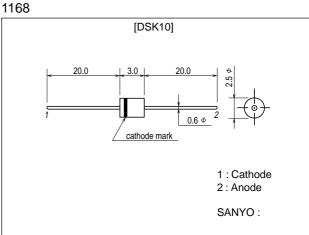
# **1.0A Power Rectifier**

### Features

- Designed for 5mm-pitch automatic insertion.
- Small plastic molded structure(3mm body).
- Peak reverse voltage : 100 to 1000V.
- Average rectified current : 1.0A.

## **Package Dimensions**

unit : mm



# Specifications

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

Parameter	Symbol	Conditions		Unit		
			DSK10B	DSK10C	DSK10E	Unit
Peak Reverse Voltage	VRM		100	200	400	V
Average Rectified Current	IO		$\rightarrow$	$\rightarrow$	1.0	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	$\rightarrow$	$\rightarrow$	45	А
Junction Temperature	Tj		$\rightarrow$	$\rightarrow$	150	°C
Storage Temperature	Tstg		$\rightarrow$	$\rightarrow$	-40 to +150	°C

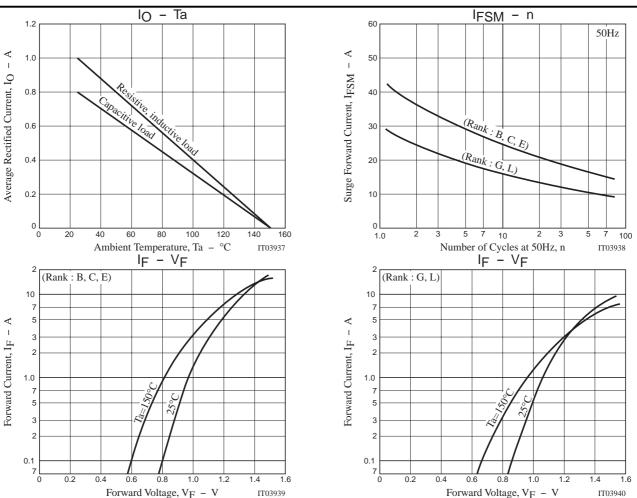
Parameter	Symbol	Conditions	Rat	Unit	
			DSK10G	DSK10L	Offic
Peak Reverse Voltage	VRM		600	1000	V
Average Rectified Current	lO		$\rightarrow$	1.0	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	$\rightarrow$	30	А
Junction Temperature	Tj		$\rightarrow$	150	°C
Storage Temperature	Tstg		$\rightarrow$	-40 to +150	°C

### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	VF	IF=1.0A (B, C, E)			1.1	V
		IF=1.0A (G, L)			1.2	V
Reverse Current	IR	V <sub>R</sub> : at each V <sub>RM</sub>			10	μΑ

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