



# DSK10

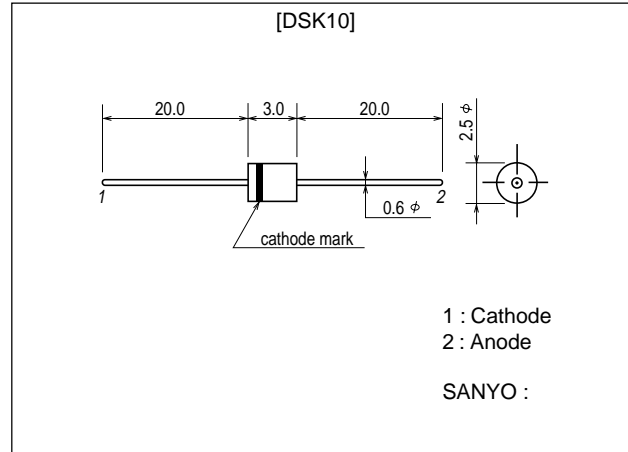
## 1.0A Power Rectifier

### 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  
1168



### Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			DSK10B	DSK10C	DSK10E	
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, 1 cycle	→	→	45	A
Junction Temperature	T <sub>J</sub>		→	→	150	°C
Storage Temperature	T <sub>stg</sub>		→	→	-40 to +150	°C

Parameter	Symbol	Conditions	Ratings		Unit
			DSK10G	DSK10L	
Peak Reverse Voltage	V <sub>RM</sub>		600	1000	V
Average Rectified Current	I <sub>O</sub>		→	1.0	A
Surge Forward Current	I <sub>FSM</sub>	50Hz sine wave, 1 cycle	→	30	A
Junction Temperature	T <sub>J</sub>		→	150	°C
Storage Temperature	T <sub>stg</sub>		→	-40 to +150	°C

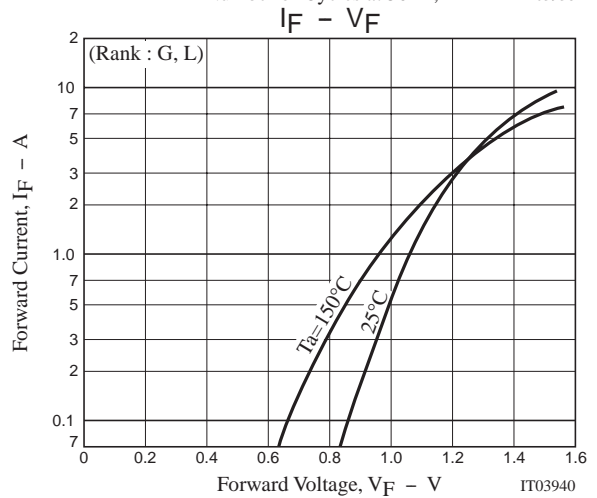
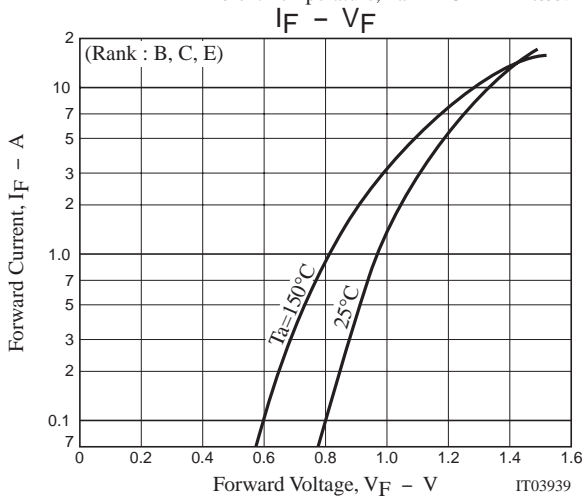
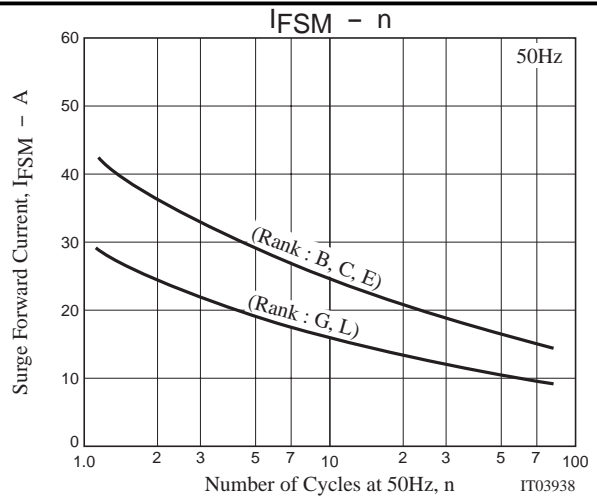
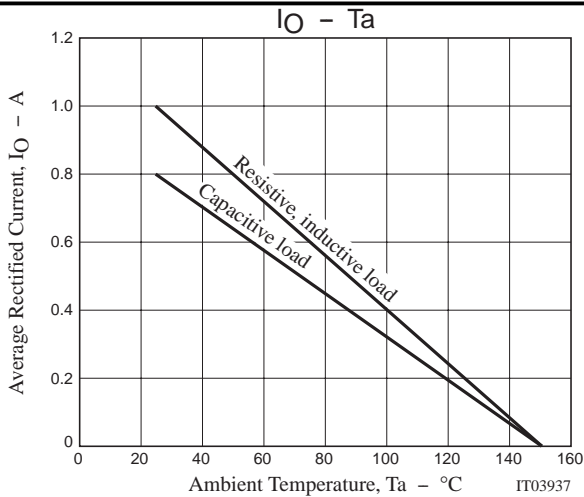
### Electrical Characteristics at Ta=25°C

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

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