

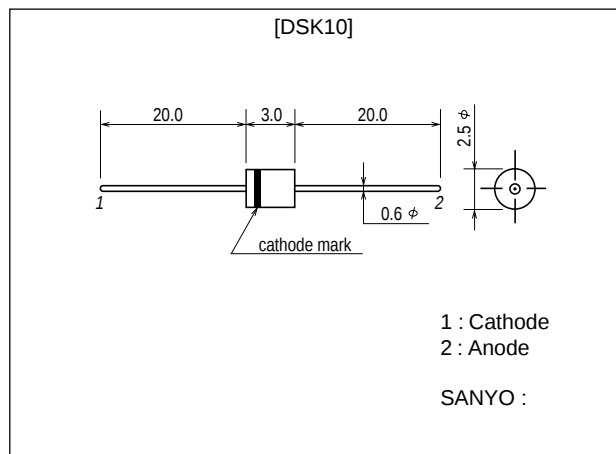
**DSK10****1.0A Power Rectifier****Features**

- 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

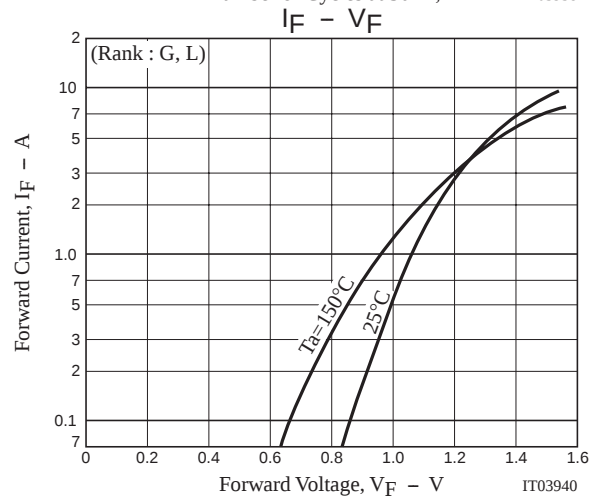
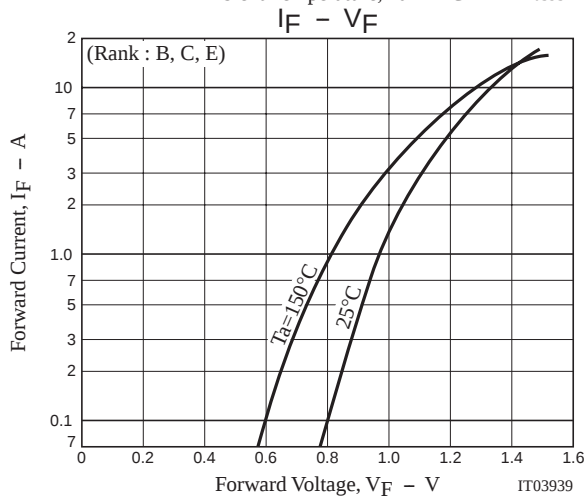
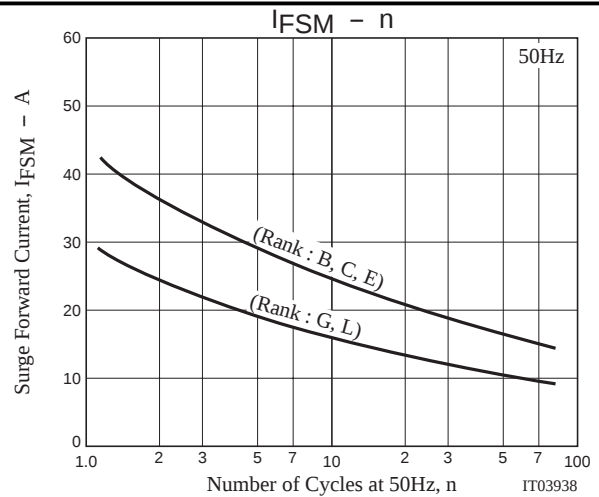
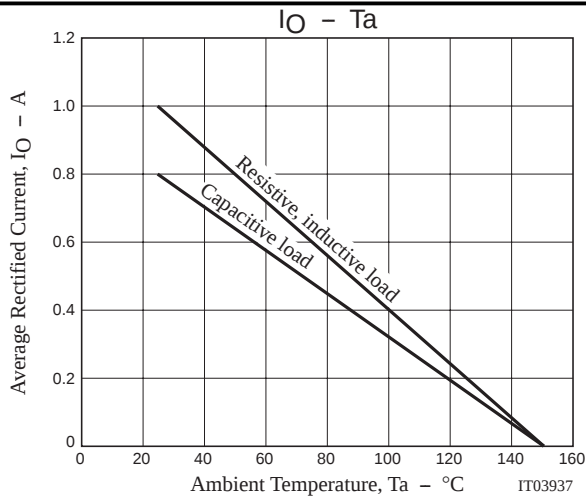
Parameter	Symbol	Conditions	Ratings			Unit
			DSK10B	DSK10C	DSK10E	
Peak Reverse Voltage	V_{RM}		100	200	400	V
Average Rectified Current	I_O		→	→	1.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	45	A
Junction Temperature	T_J		→	→	150	°C
Storage Temperature	T_{stg}		→	→	-40 to +150	°C

Parameter	Symbol	Conditions	Ratings		Unit
			DSK10G	DSK10L	
Peak Reverse Voltage	V_{RM}		600	1000	V
Average Rectified Current	I_O		→	1.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	30	A
Junction Temperature	T_J		→	150	°C
Storage Temperature	T_{stg}		→	-40 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=1.0A$ (B, C, E)			1.1	V
		$I_F=1.0A$ (G, L)			1.2	V
Reverse Current	I_R	V_R : at each V_{RM}			10	μA

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