

**DS135**

Diffused Junction Type Silicon Diode

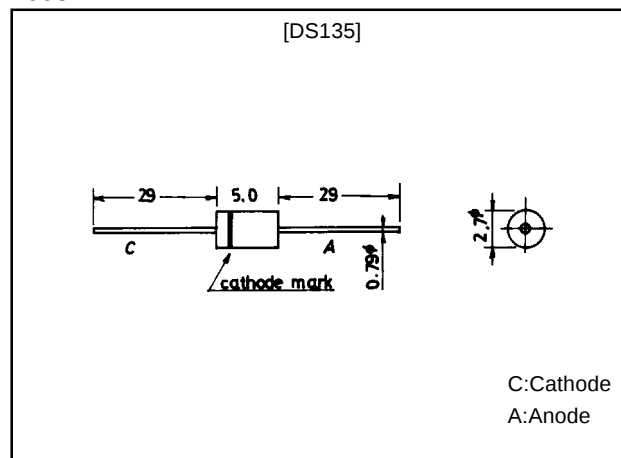
1.0A Power Rectifier**Features**

- Plastic molded type.
- Peak reverse voltage : 100 to 400V.
- Average rectified current : $I_O=1.0A$.

Package Dimensions

unit:mm

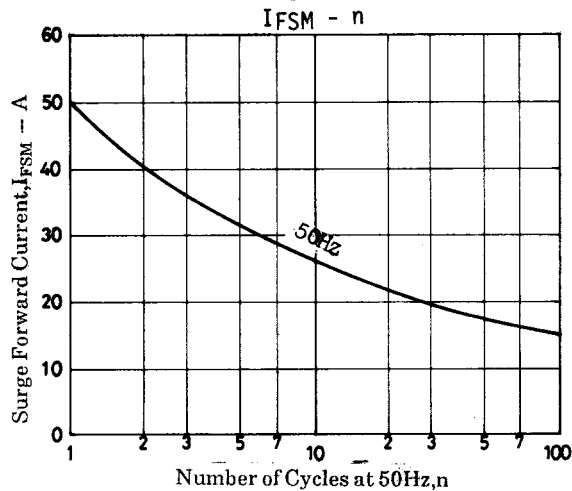
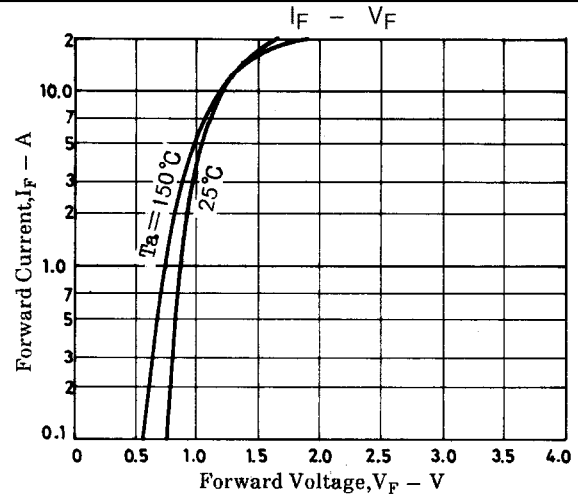
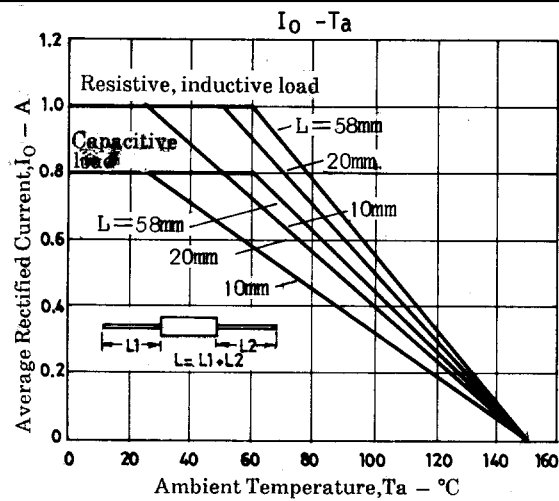
1005

**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ C$**

Parameter	Symbol	Conditions	DS135E	DS135D	DS135C	Unit
Peak Reverse Voltage	V_{RM}		100	200	400	V
Average Rectified Current	I_O	$T_a=60^\circ C$	→	→	1.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	50	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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