

Current Regulative Diode

SOD-123ST

3.85 3.55

1.00 0.80

CRD is a diode which supplies constant current to an electric circuit, even when power supply voltage fluctuations or load impedance fluctuations occur CRD is used for current stabilization and current limiting

Features

-High stability -High efficiency -Low starting voltage -Negative temperature coefficient -Halogen-Free

Application

-LED lamp

- -LED spotlight
- -LED tubular light
- -LED ceiling light
- -LED downlight
- -LED street light

Absolute maximum ratings

888 NT-3.10 2.70





Symbol	Ratings	Unit	Parameters		
VB,Vak Max	190	V	Rated Voltage Break-down, Anode-Cathod Voltage		
Po	200	mW	Rating Power Dissipation @ 25 °C (Note 1)		
	1.66	mW/ °C	Derate above 25 °C		
Tj	150	°C	Junction Temperature		
Tstg	-55 to +150	°C	Operating and Storage Temperature		
R₀JA	600	°C/W	Typical Thermal Resistance, Junction to Ambient (Note 1)		
ReJL	200	°C/W	Typical Thermal Resistance, Junction to Cathode Lead (Note 1)		

Electrical characteristics

Part No.	reg(P) (Note 2)			Vк at 0.8IP		VB,Vak(V)	Pd
	Min	Тур	Max	Тур	Мах	Max	Мах
CRDA20	16mA	20mA	24mA		3.5V	190	200mW
CRDA30	27mA	30mA	33mA		4.8V	190	200mW
CRDA40	36mA	40mA	44mA		6.0V	190	200mW
CRDA60	54mA	60mA	66mA		7.0V	190	200mW
CRDA80	72mA	80mA	88mA		8.0V	190	200mW

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