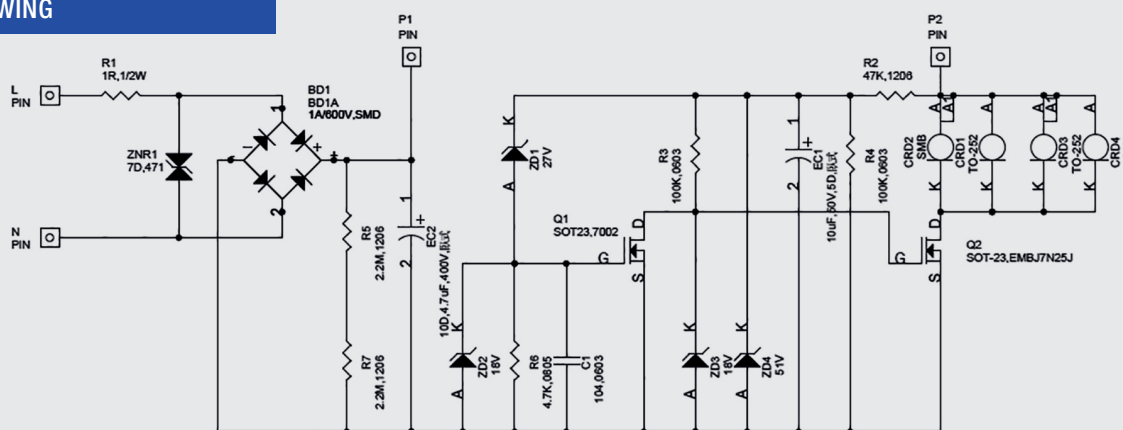


# CRDS FOR LED LIGHTING APPLICATIONS



**Eris Technology Corporation** introduced their new CRD (Current Regulative Diode) products which provides constant current over a wide voltage range for LED strings and other devices. It is very easy to use and simplifies the circuit design when the circuit needs a constant current feature. The new products are especially suitable for LED lighting applications.

## DRAWING



## FEATURES & BENEFITS

- Constant current source for stable LED brightness
- Pinch-off currents of 20, 40, 60 & 80 mA
- Maximum load voltage: 190 V
- Available SMD-packages: DO-214AC (SMA) & SMB (DO-214AA)
- Simplifies the pick and place process during the automated PCB manufacturing

## APPLICATIONS

- LED Tube, Ceiling Lamp, Bulb, Cylindrical Lamp, Miner Lamp, Projector Lamp
- Constant current sensor / devices
- Battery charge & discharge circuit
- Communication circuit interface

Part Number	IP @ V=20V		VK @	VB@ 1.1IPmax	PD	Package
	Min(mA)	Max(mA)	0.8IPmin	(V)		
ECRD020A / B	16	24	3.5	190	1.2	SMA / SMB
ECRD040A / B	36	44	6.0	190	1.2	SMA / SMB
ECRD060A / B	54	66	7.0	190	1.2	SMA / SMB
ECRD080A / B	72	88	8.0	190	1.2	SMA / SMB