

# LZ1030M

## 32-Unit High Voltage Diode Array

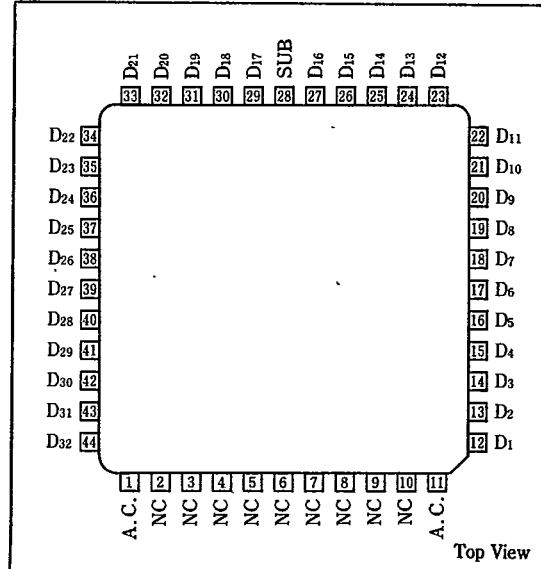
### Description

The LZ1030M is a high voltage diode array organized as a 32-circuit of anode common.

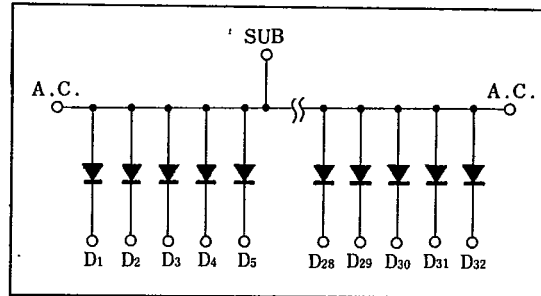
### Features

1. 32-circuit diode array (anode common)
2. High voltage output 250V
3. Forward current 50mA
4. No. of circuits 32-unit/package
5. 44-pin quad flat package

### Pin Connections



### Equivalent Circuit



( $T_a = 25^\circ\text{C}$ )

### Absolute Maximum Ratings

Parameter	Symbol	Conditions	Rating	Unit
Reverse voltage	$V_R$		350	V
Forward current	$I_F$		60	mA
Power dissipation	$P_D$	$T_a \leq 25^\circ\text{C}$	600	mW
$P_D$ derating ratio	$\Delta P_D / ^\circ\text{C}$	$T_a > 25^\circ\text{C}$	5	mW/ $^\circ\text{C}$
Operating temperature	$T_{opr}$		-20 to +70	$^\circ\text{C}$
Storage temperature	$T_{stg}$		-55 to +150	$^\circ\text{C}$

### Electrical Characteristics

( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	$V_F$	$I_F = 50\text{mA}$			2.4	V
Reverse current	$I_R$	$V_R = 250\text{V}$			10	$\mu\text{A}$
Total reverse current	$I_{RT}$	$V_R = 250\text{V}$			30	$\mu\text{A}$
Reverse retention time	$t_{rr}$	$I_F = I_R = 10\text{mA}$			0.5	$\mu\text{s}$

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