

T-43-24

LZ1030M

32-Unit High Voltage Diode Array

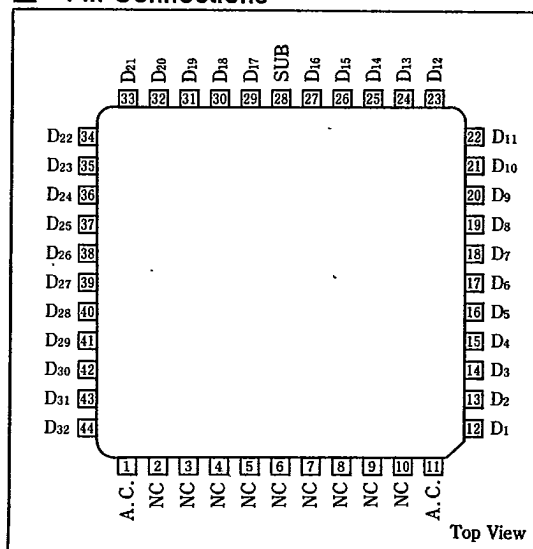
Description

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

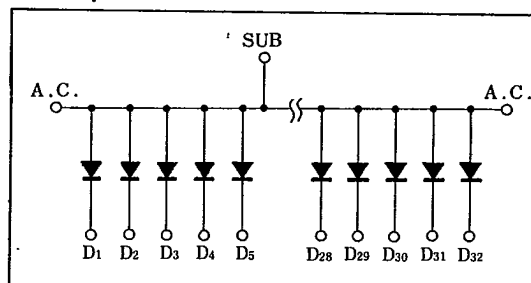
Features

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



Absolute Maximum Ratings

(Ta=25°C)

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/°C
Operating temperature	T_{opr}		-20 to +70	°C
Storage temperature	T_{stg}		-55 to +150	°C

Electrical Characteristics

(Ta=25°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	μA
Total reverse current	I_{RT}	$V_R = 250\text{V}$			30	μA
Reverse retention time	t_{rr}	$I_F = I_R = 10\text{mA}$			0.5	μs

SHARP