

# SLA1008

Diode Array

T-43-24

### Maximum Ratings

(Ta=25°C)

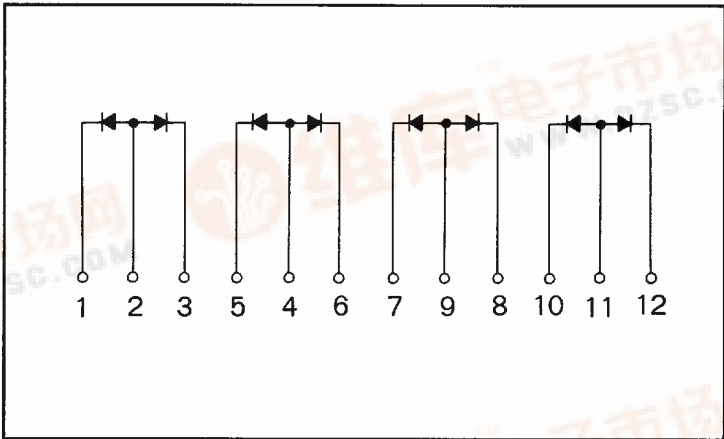
| Item                         | Symbol | Ratings                             | Unit |
|------------------------------|--------|-------------------------------------|------|
| Forward Current              | Io     | 0.7(Ta=25°C)                        | A    |
| Forward Current              | Io     | 2.5(Tc=25°C)                        | A    |
| Peak Forward Current         | Ifsm   | 8(Pw≤1ms, Single)                   | A    |
| Reverse Voltage              | VR     | 120                                 | V    |
| Total Power Dissipation      | Pr     | 5 (Ta=25°C)                         | W    |
|                              |        | 25 (Tc=25°C)                        |      |
| Insulation Breakdown Voltage | Viso   | 1000 (between fin and lead pin, AC) | Vrms |
| Storage Temperature          | Tstg   | −40~+150                            | °C   |
| Thermal Resistance           | θj-c   | 5                                   | °C/W |

### Electrical Characteristics

(Ta=25°C)

| Item                  | Symbol | Conditions | Specification |     |     | Unit |
|-----------------------|--------|------------|---------------|-----|-----|------|
|                       |        |            | min           | typ | max |      |
| Reverse Voltage       | VR     | IR=10μA    | 120           |     |     | V    |
| Forward Voltage       | VF     | IF=1A      |               |     | 1.2 | V    |
| Reverse Current       | IR     | VR=120V    |               |     | 10  | μA   |
| Reverse Recovery Time | trr    | IF±100mA   |               | 100 |     | ns   |

### Equivalent Circuit Diagram

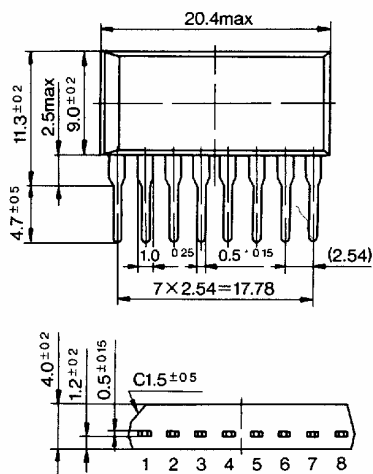


# Notes on using products

## Outline Drawings (Unit:in mm)

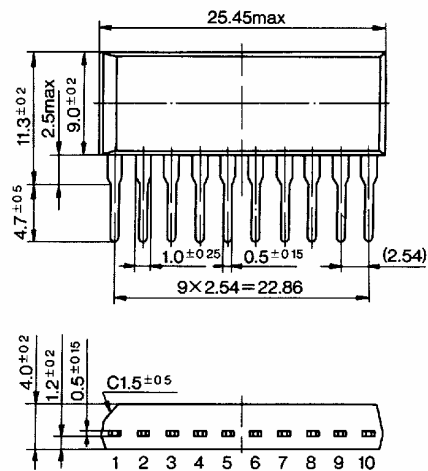
### STA Family

#### STA300 Series



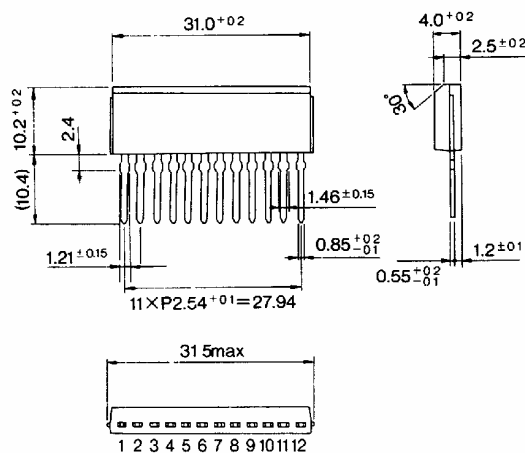
Weight Approx. 2.0g

#### STA400 Series



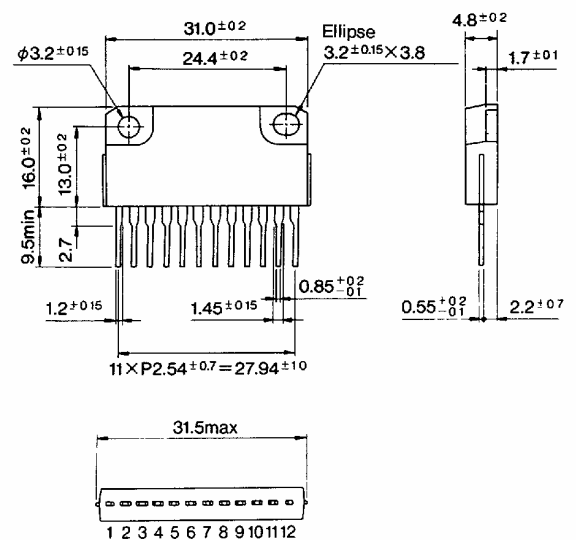
Weight Approx. 2.6g

### SMA Family



Weight Approx. 4.0g

### SLA Family



Weight Approx. 6.0g