

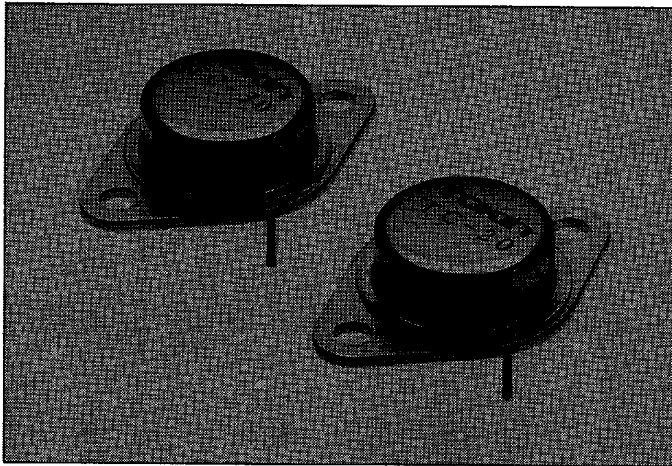
**NEW
PRODUCTS
UPDATE**

Small-sized Static Induction Transistor (SIT) with high withstand voltage

TOKIN

T-39-13

1ed.



Outline

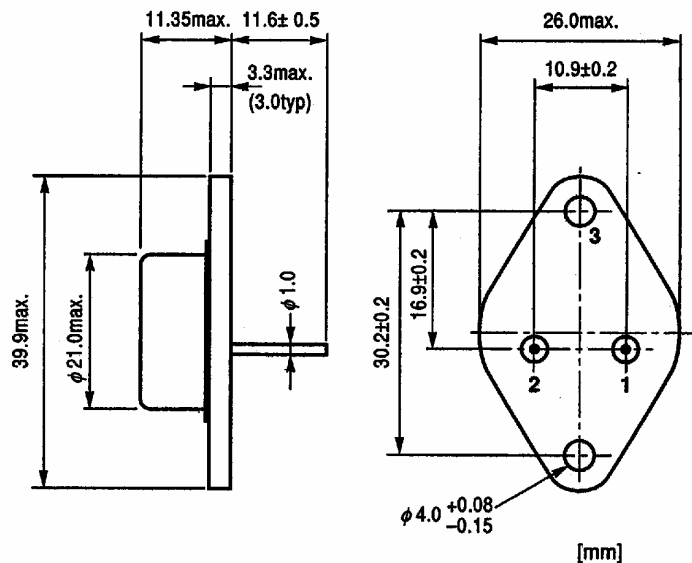
This device is a static induction transistor especially suited for applications which require high-speed switching and a high withstand voltage.

The size of the highly-reliable SIT was reduced and a new To-3 metallic case was developed.

Features

- High withstand voltage (withstand voltage : 1350~1500V)
- High-speed operation (switching speed : 200ns)
- Stable thermal characteristics

Shape and dimensions



1. Gate
2. Source
3. Drain (case)

Applications

- Power supplies for lasers
- Discharge power supplies
- Voltage power supplies

Specifications

| Model | TC-20 | TC-30 |
|----------------|-------|-------|
| Case | To-3 | To-3 |
| P_T (W) | 150 | 150 |
| V_{DG} (V) | 1350 | 1500 |
| V_{GS} (V) | 40 | 40 |
| I_D (A) | 20 | 16 |
| r_{on} (ohm) | 1.3 | 1.6 |
| μ | 30 | 30 |

Specifications are subject to change without notice.

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Cat.No. UD-04E N920920P1

Printed in Japan
Tentative