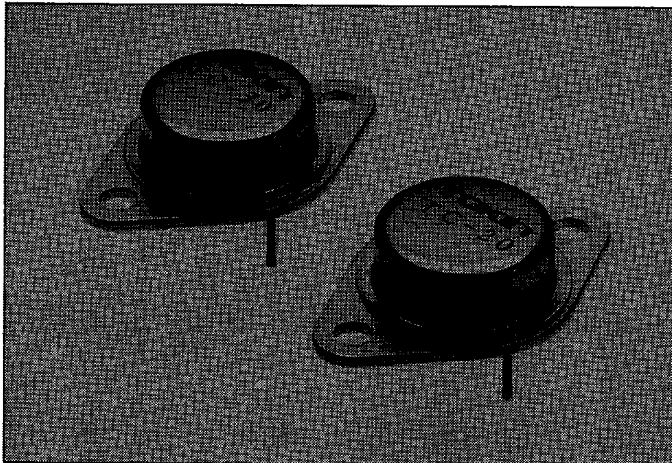


Small-sized Static Induction Transistor (SIT) with high withstand voltage

TOKIN

T-39-13

1ed.



Outline

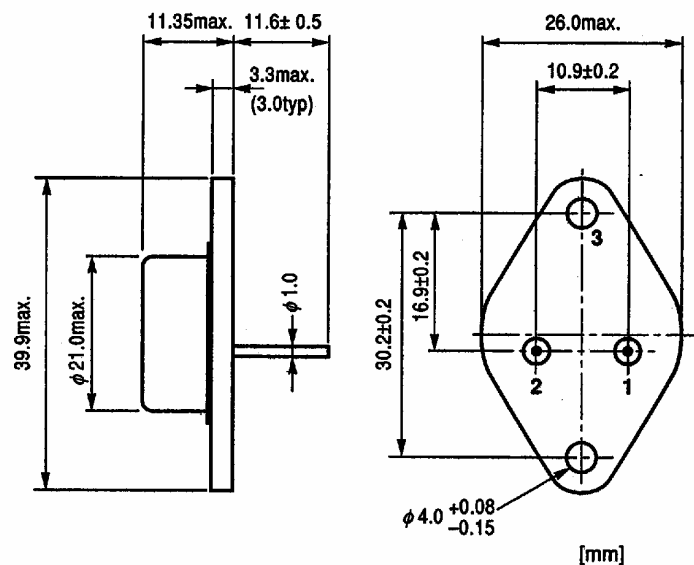
This device is a static induction transistor especially suited for applications which require high-speed switching and a high withstand voltage.

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_{DS} (V)	1350	1500
V_{GS} (V)	40	40
I_D (A)	20	16
r_{on} (ohm)	1.3	1.6
μ	30	30

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Specifications are subject to change without notice.

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