

# STK6820, 6820H SERIES

BIPOLAR TYPE STEPPING MOTOR DRIVER  
(バイポーラタイプステッピングモータドライバ)

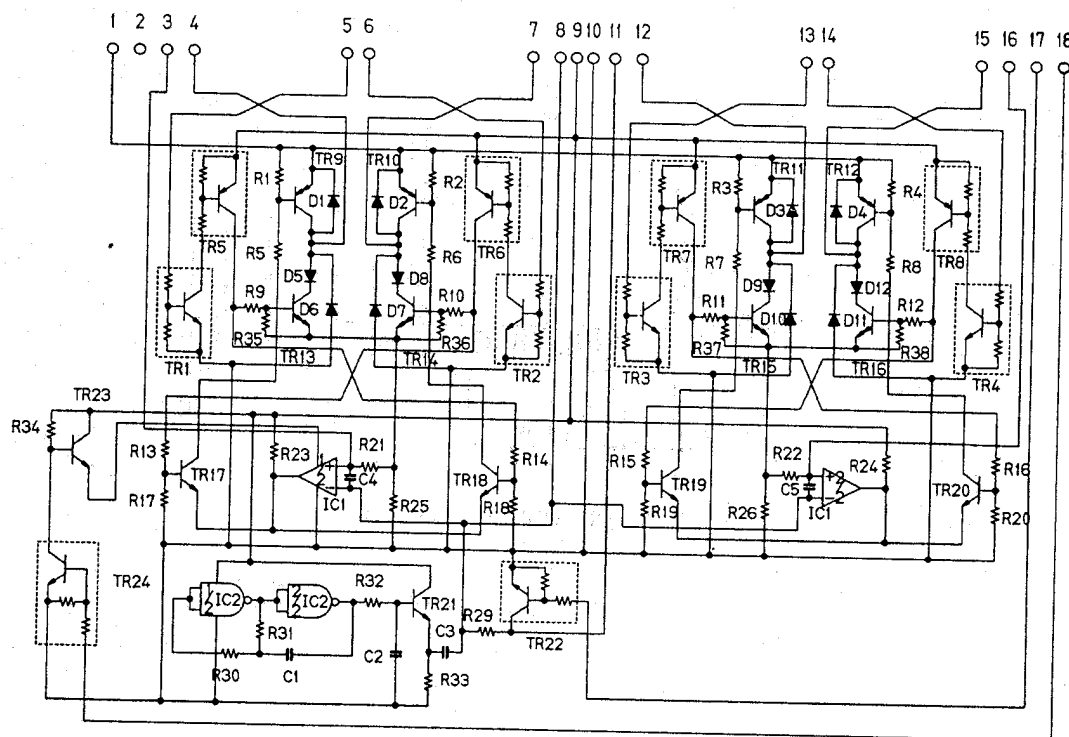
△ Under development

△ under development

| Type No.<br><br>機種 | Maximum Rating<br><br>最大 定格 |                       |                       |                       | Recommended<br>Condition<br><br>推奨 条件 | Main Operational Characteristics<br><br>動作 特性 |           |                      |                            |                                                                                                  |                  |
|--------------------|-----------------------------|-----------------------|-----------------------|-----------------------|---------------------------------------|-----------------------------------------------|-----------|----------------------|----------------------------|--------------------------------------------------------------------------------------------------|------------------|
|                    | Vcc<br>max                  | I <sub>o</sub><br>max | T <sub>c</sub><br>max | T <sub>j</sub><br>max | Vcc                                   | Output Saturation<br><br>出力飽和電圧               |           |                      | OSC Frequency<br><br>発振周波数 | Thermal resistance( $\theta_{j-c}$ )<br><br>接合部熱抵抗                                               |                  |
|                    |                             |                       |                       |                       |                                       | Each phase<br>V <sub>IN</sub> =1.5V           |           |                      |                            | $\theta_{j-c}$ :From junction of each<br>Tr or diode to Al-substrate.<br>TR及ダイオードのジャンクションからアルミ基板 |                  |
|                    | V                           | A                     | °C                    | °C                    | V                                     | Vst1<br>V                                     | Vst2<br>V | I <sub>OH</sub><br>A | KHz                        | Tr9 ~12<br>°C/W                                                                                  | Tr13 ~16<br>°C/W |
| △ STK6820          | 30                          | 0.7                   | 105                   | 150                   | 24                                    | 1.0                                           | 2.0       | 0.43                 | 24                         | 11.0                                                                                             | 19.2             |
| △ STK6821          | 30                          | 1.5                   | 105                   | 150                   | 24                                    | 1.0                                           | 2.3       | 0.9                  | 24                         | 10.0                                                                                             | 16.0             |
| STK6822            | 30                          | 2.5                   | 105                   | 150                   | 24                                    | 1.2                                           | 2.5       | 1.5                  | 24                         | 9.0                                                                                              | 13.5             |
| △ STK6820H         | 52                          | 0.7                   | 105                   | 150                   | 36                                    | 1.0                                           | 2.0       | 0.43                 | 24                         | 11.0                                                                                             | 19.2             |
| △ STK6821H         | 52                          | 1.5                   | 105                   | 150                   | 36                                    | 1.0                                           | 2.3       | 0.9                  | 24                         | 10.0                                                                                             | 16.0             |
| STK6822H           | 52                          | 2.5                   | 105                   | 150                   | 36                                    | 1.2                                           | 2.5       | 1.5                  | 24                         | 8.5                                                                                              | 13.5             |

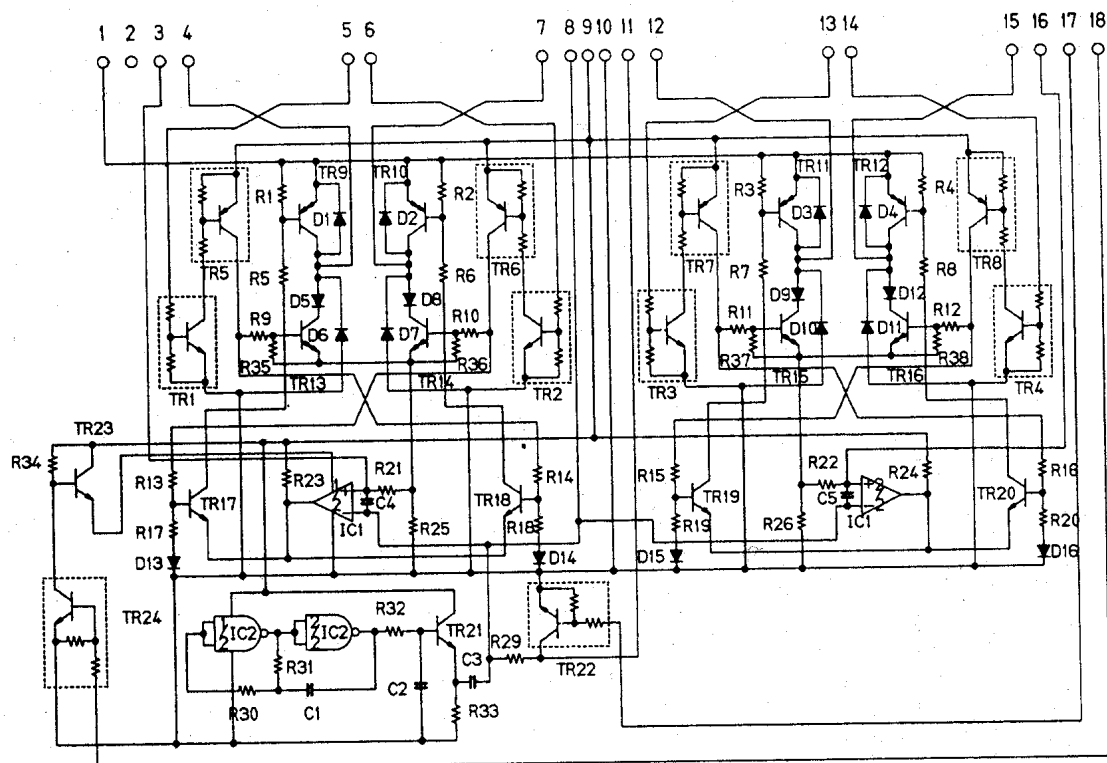
## ■ EQUIVALENT CIRCUIT

(1)



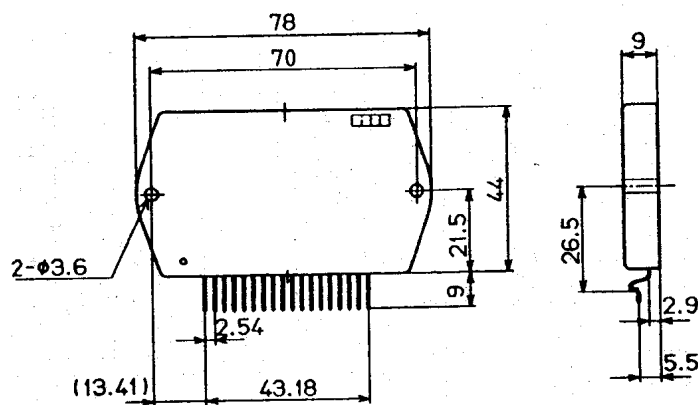
STK6820series

(2)



STK6820Hseries

## ■ PACKAGE DIMENSION



(STK6820, 6820H series)