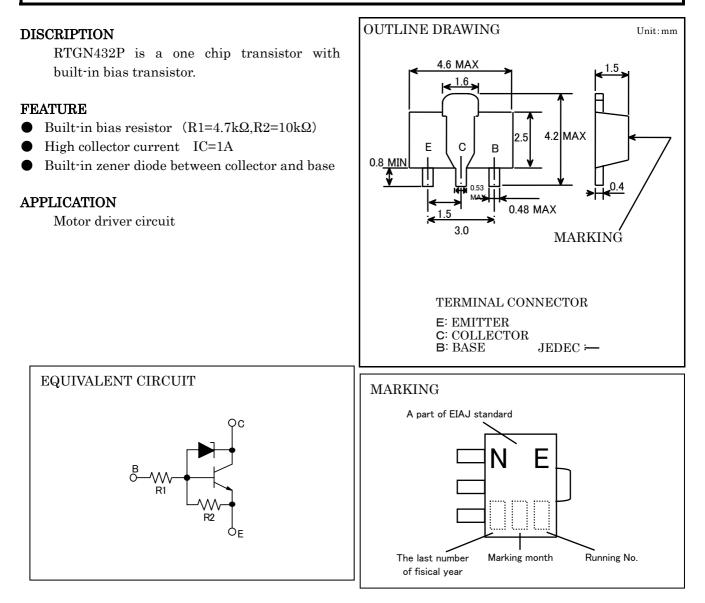


RTGN432P

TRANSISTOR WITH RESISTOR FOR SWITHING APPLICATION SILICON NPN EPITAXIAL TYPE



MAXIMUM RATING(Ta=25°C)

| SYMBOL | PARAMETER | RATING | UNIT |
|-----------------------------|------------------------------|----------|------|
| $V_{\rm CBO}$ | Collector to Base voltage | 60±10 | V |
| $V_{\rm EBO}$ | Emitter to Base voltage | 10 | V |
| Vceo | Collector to Emitter voltage | 60±10 | V |
| $I_{\rm C}$ | Collector current (DC) | 1 | А |
| Icm | Collector current (pulse) | 2 | А |
| Pc | Collector dissipation | 500 | mW |
| T_{j} | Junction temperature | +150 | °C |
| $\mathrm{T}_{\mathrm{stg}}$ | Storage temperature | -55~+150 | °C |

$\left< \text{SMALL-SIGNAL TRANSISTOR} \right>$

RTGN432P

TRANSISTOR WITH RESISTOR FOR SWITHING APPLICATION SILICON NPN EPITAXIAL TYPE

ELECTRICAL CHARACTERISTICS(Ta=25°C)

| Symbol | Parameter | Test conditions | Limits | | | Unit |
|------------------|---------------------------|--|--------|------|------|------|
| Symbol | | | Min | Тур | Max | Om |
| I _{CBO} | Collector cut off current | V _{CB} =40V, IE=0 | | | 0.1 | uA |
| V _{oL} | Output voltage | VI=5V, I _c =200mA | | I | 0.2 | V |
| V _{IL} | Input voltage (OFF) | V _{CE} =5V, I _C =100 μ A | 0.3 | | — | V |
| hFE1 | DC forward current gain | V _{CE} =2V, I _C =0.1A | 200 | | _ | — |
| hFE2 | DC forward current gain | V _{CE} =2V, I _C =0.5A | 300 | | — | — |
| hFE3 | DC forward current gain | V _{CE} =2V, I _C =1A | 200 | - | _ | — |
| R ₁ | Input resistor | — | 3.29 | 4.70 | 6.11 | KΩ |
| R ₂ | Emitter – Base resistor | — | 7 | 10 | 13 | KΩ |



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