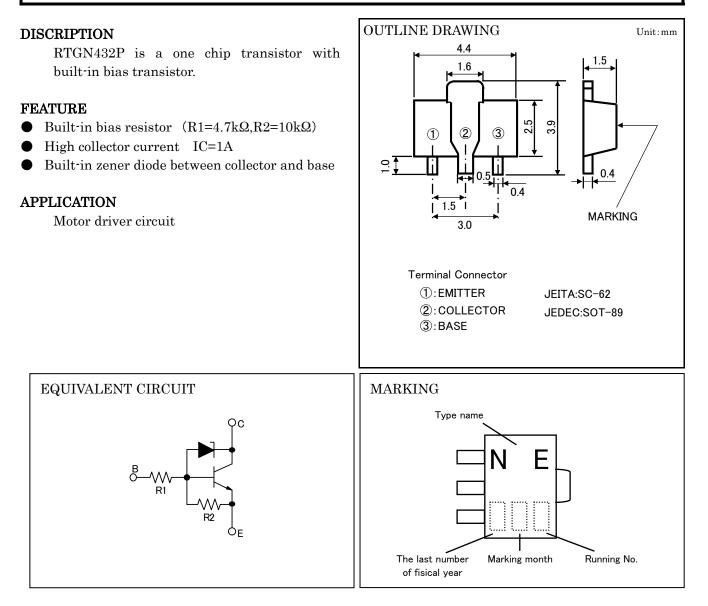
### ⟨SMALL-SIGNAL TRANSISTOR⟩

## 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
Vebo	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
$T_{\rm stg}$	Storage temperature	-55~+150	°C

# RTGN432P

TRANSISTOR WITH RESISTOR FOR SWITHING APPLICATION SILICON NPN EPITAXIAL TYPE

### ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Devemeter	Test conditions	Limits			Unit
	Parameter	lest conditions		Тур	Max	Unit
Ісво	Collector cut off current	V <sub>CB</sub> =40V, I <sub>E</sub> =0			0.1	μA
Vol	Output voltage	V <sub>I</sub> =5V, I <sub>C</sub> =200mA	-	-	0.2	V
V <sub>IL</sub>	Input voltage (OFF)	$V_{CE}=5V$ , $I_C=100 \mu A$	0.3	_	_	V
hFE1	DC forward current gain	V <sub>CE</sub> =2V, I <sub>C</sub> =0.1A	200		_	—
hFE2	DC forward current gain	V <sub>CE</sub> =2V, I <sub>C</sub> =0.5A	300	-	—	—
hFE3	DC forward current gain	V <sub>CE</sub> =2V, I <sub>C</sub> =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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