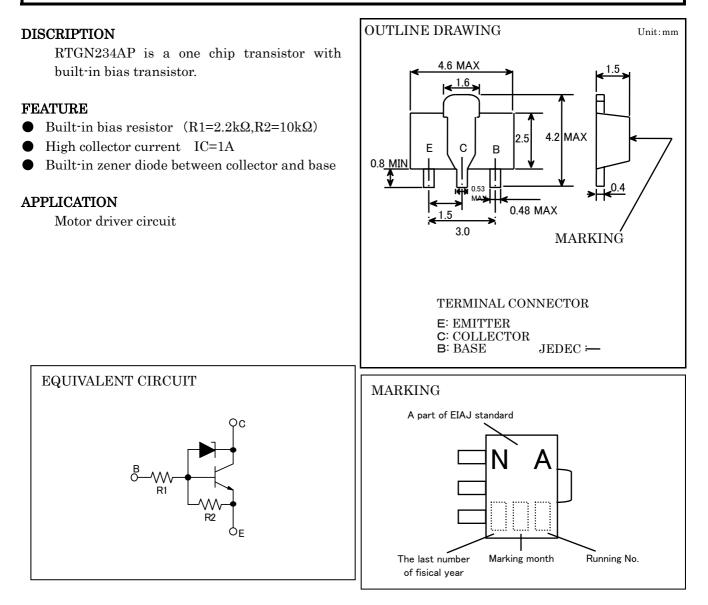
(SMALL-SIGNAL TRANSISTOR)

RTGN234AP

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
$\mathrm{T}_{\mathrm{stg}}$	Storage temperature	-55~+150	°C

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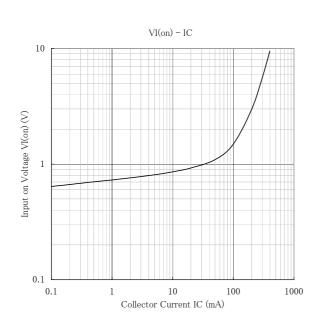
ELECTRICAL CHARACTERISTICS(Ta=25°C)

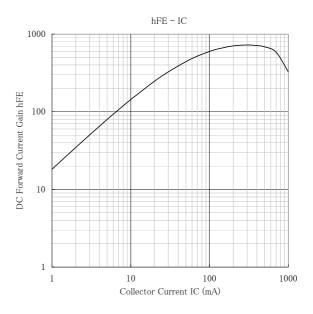
Symbol	Parameter	Test conditions	Limits			Unit
	1 arameter		Min	Тур	Max	Om
I _{CBO}	Collector cut off current	V _{CB} =40V, IE=0			0.1	uA
V _{oL}	Output voltage	VI=5V, I _c =300mA		I	0.3	V
V _{IL}	Input voltage (OFF)	V _{CE} =5V, I _C =100 μ A	0.3		—	V
hFE1	DC forward current gain	V _{CE} =2V, I _C =0.1A	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	—	1.54	2.20	2.86	KΩ
R ₂	Emitter – Base resistor	—	7	10	13	KΩ

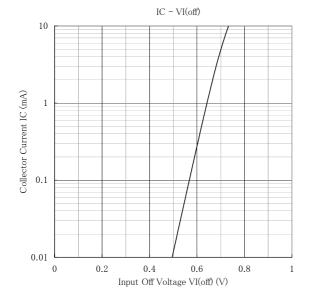
$\left< \text{SMALL-SIGNAL TRANSISTOR} \right>$

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