## 2SA1774G, S2SA1774G

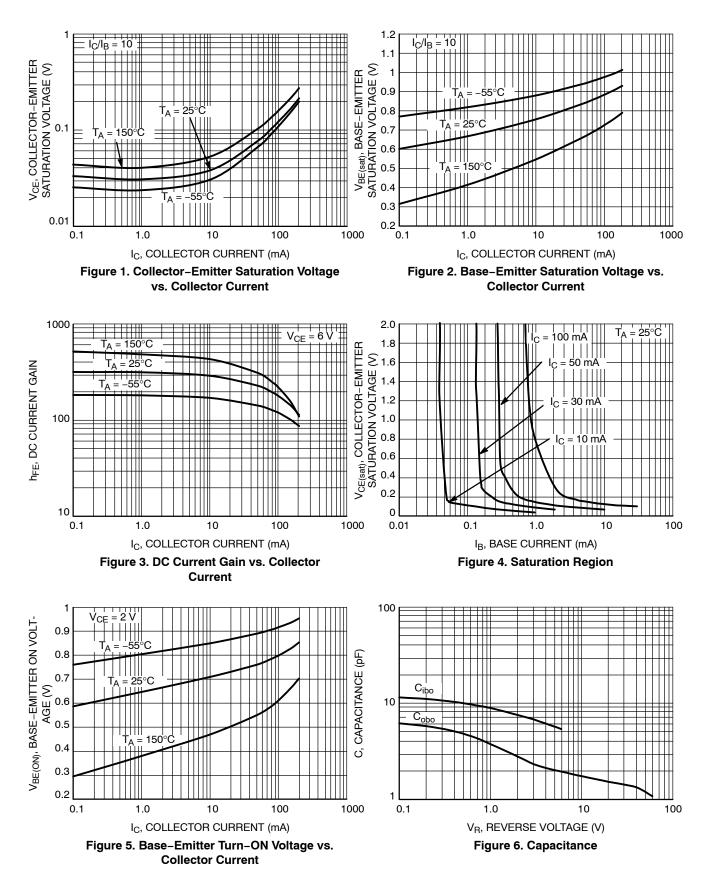
Characteristic	Symbol	Min	Тур	Max	Unit
Collector–Base Breakdown Voltage $(I_C = -50 \ \mu Adc, I_E = 0)$	V <sub>(BR)CBO</sub>	-60	_	_	V
Collector–Emitter Breakdown Voltage $(I_C = -1.0 \text{ mAdc}, I_B = 0)$	V <sub>(BR)CEO</sub>	-50	_	_	V
Emitter–Base Breakdown Voltage (I <sub>E</sub> = $-50 \ \mu$ Adc, I <sub>E</sub> = 0)	V <sub>(BR)EBO</sub>	-6.0	_	_	V
Collector–Base Cutoff Current ( $V_{CB} = -30$ Vdc, $I_E = 0$ )	I <sub>CBO</sub>	-	_	-0.5	μΑ
Emitter–Base Cutoff Current ( $V_{EB} = -5.0$ Vdc, $I_B = 0$ )	I <sub>EBO</sub>	_	_	-0.5	μA
Collector–Emitter Saturation Voltage (Note 2) $(I_C = -50 \text{ mAdc}, I_B = -5.0 \text{ mAdc})$	V <sub>CE(sat)</sub>	_	_	-0.5	V
DC Current Gain (Note 2) $(V_{CE} = -6.0 \text{ Vdc}, I_C = -1.0 \text{ mAdc})$	h <sub>FE</sub>	120	_	560	_
Transition Frequency $(V_{CE} = -12 \text{ Vdc}, I_C = -2.0 \text{ mAdc}, f = 30 \text{ MHz})$	f <sub>T</sub>	_	140	_	MHz
Output Capacitance ( $V_{CB} = -12$ Vdc, $I_E = 0$ Adc, $f = 1$ MHz)	C <sub>OB</sub>	_	3.5	_	pF

**ELECTRICAL CHARACTERISTICS** (T<sub>A</sub> = 25°C)

2. Pulse Test: Pulse Width  $\leq$  300  $\mu$ s, D.C.  $\leq$  2%.

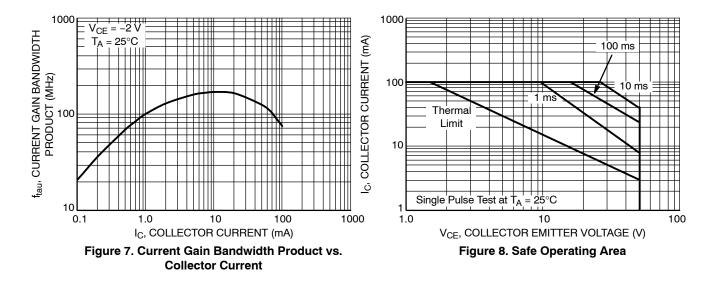
## 2SA1774G, S2SA1774G

## **TYPICAL ELECTRICAL CHARACTERISTICS**



## 2SA1774G, S2SA1774G

## TYPICAL ELECTRICAL CHARACTERISTICS







\*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

1.000

0.039

SCALE 10:1

mm

inches

0.508

0.020

 
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 SC-75/SOT-416
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