2SA1774G, S2SA1774G

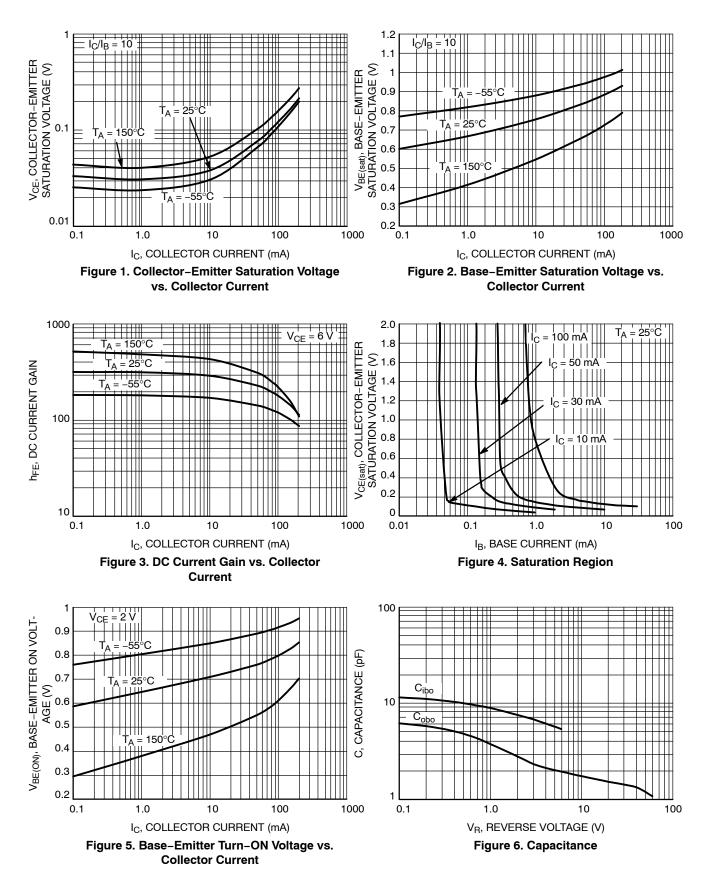
Characteristic	Symbol	Min	Тур	Max	Unit
Collector–Base Breakdown Voltage $(I_C = -50 \ \mu Adc, I_E = 0)$	V _{(BR)CBO}	-60	_	_	V
Collector–Emitter Breakdown Voltage $(I_C = -1.0 \text{ mAdc}, I_B = 0)$	V _{(BR)CEO}	-50	_	_	V
Emitter–Base Breakdown Voltage (I _E = $-50 \ \mu$ Adc, I _E = 0)	V _{(BR)EBO}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

ELECTRICAL CHARACTERISTICS (T_A = 25°C)

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

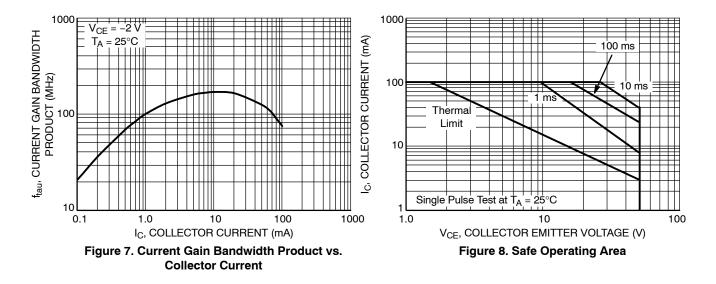
2SA1774G, S2SA1774G

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

 DOCUMENT NUMBER:
 98ASB15184C
 Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.

 DESCRIPTION:
 SC-75/SOT-416
 PAGE 1 OF 1

 ON Semiconductor and (iii) are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. ON Semiconductor does not convey any license under its pattern rights nor the

rights of others.

onsemi, ONSEMI, and other names, marks, and brands are registered and/or common law trademarks of Semiconductor Components Industries, LLC dba "onsemi" or its affiliates and/or subsidiaries in the United States and/or other countries. onsemi owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of onsemi's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. onsemi reserves the right to make changes at any time to any products or information herein, without notice. The information herein is provided "as-is" and onsemi makes no warranty, representation or guarantee regarding the accuracy of the information, product features, availability, functionality, or suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using **onsemi** products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by **onsemi**. "Typical" parameters which may be provided in **onsemi** data sheets and/or specifications can and do vary in different applications and calcular performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. **onsemi** does not convey any license under any of its intellectual property rights nor the rights of others. **onsemi** products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use **onsemi** products for any such unintended or unauthorized application, Buyer shall indemnify and hold **onsemi** and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that **onsemi** was negligent regarding the design or manufacture of the part. **onsemi** is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

PUBLICATION ORDERING INFORMATION

LITERATURE FULFILLMENT:

TECHNICAL SUPPORT

onsemi Website: www.onsemi.com

Email Requests to: orderlit@onsemi.com

North American Technical Support: Voice Mail: 1 800-282-9855 Toll Free USA/Canada Phone: 011 421 33 790 2910

Europe, Middle East and Africa Technical Support: Phone: 00421 33 790 2910 For additional information, please contact your local Sales Representative

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

onsemi:

2SA1774 2SA1774G 2SA1774T1 2SA1774T1G S2SA1774G