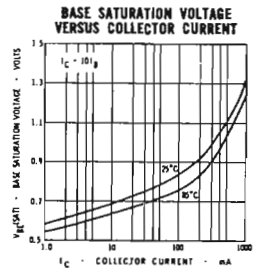
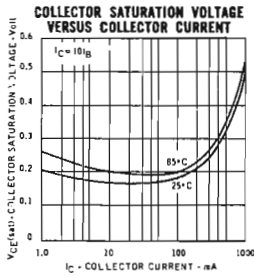
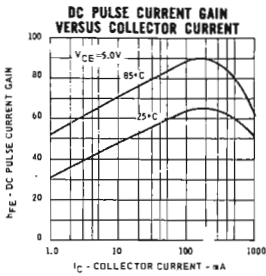
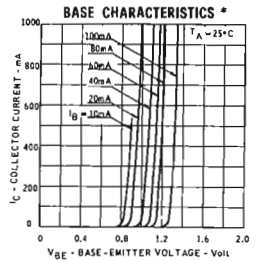
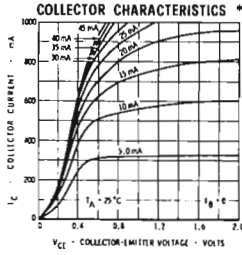
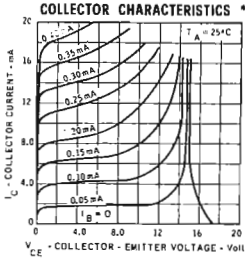
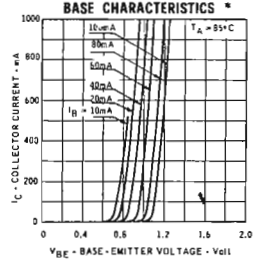
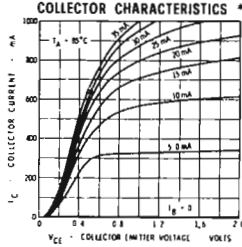
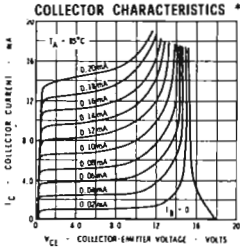


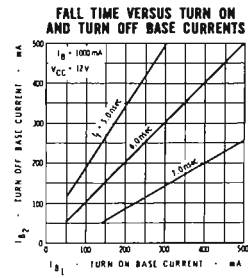
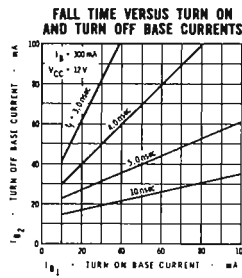
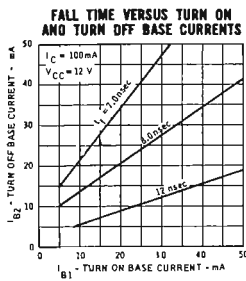
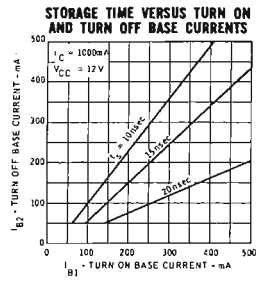
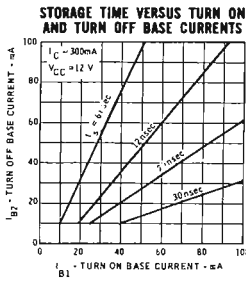
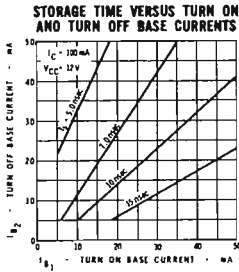
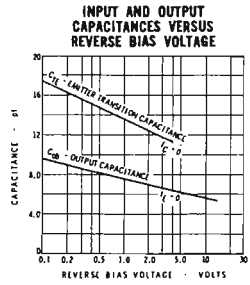
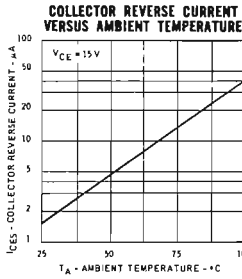
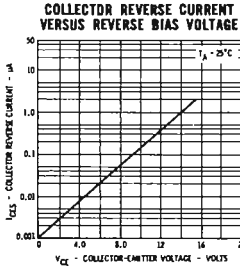


TYPICAL ELECTRICAL CHARACTERISTICS

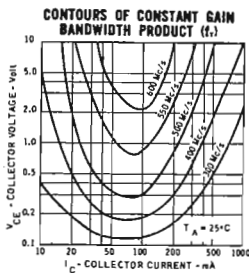
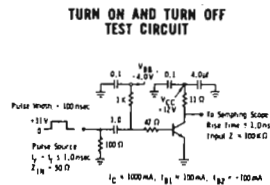
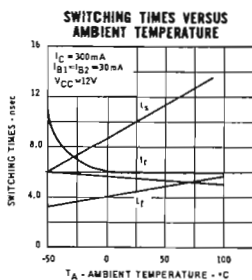
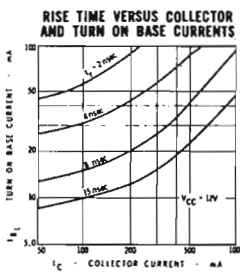
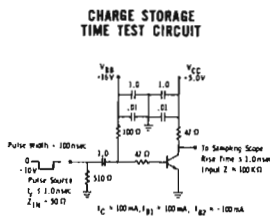
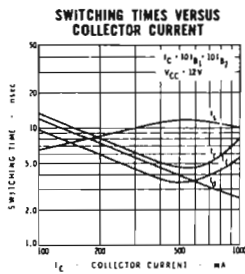
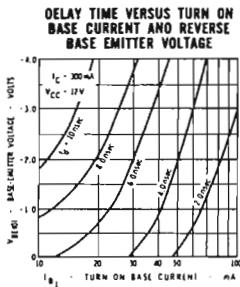


\* Single family characteristics on Transistor Curve Tracer

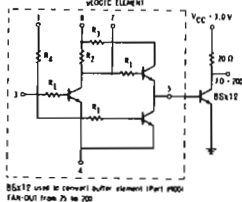
## TYPICAL ELECTRICAL CHARACTERISTICS



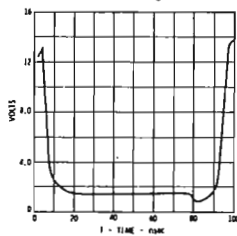
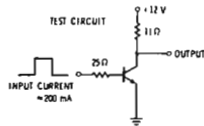
TYPICAL ELECTRICAL CHARACTERISTICS



IMPROVING FAN-OUT CAPABILITY



HIGH SPEED 1 AMPERE PULSE SOURCE



NOTES:

- (1) These ratings are limiting values above which the serviceability of any individual semiconductor device may be impaired.
- (2) These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.
- (3) These ratings give a maximum junction temperature of 200°C and junction-to-case thermal resistance of 58.3°C/Watt (derating factor of 17.2 mW/°C); junction-to-ambient thermal resistance of 291.6°C/Watt (derating factor of 3.43 mW/°C).
- (4) This rating refers to a high-current point where collector-to-emitter voltage is lowest. For more information send for SGS-AR 5.
- (5) Pulse Conditions: length = 300 μsec; duty cycle = 1%.
- (6) See switching circuit for exact values of I\_C, I\_B1, I\_B2.
- (7) This limit applies for a measurement made 6.35 mm from the bottom of the case.