

F B D

120 A, 650

AF 120 65 D

AFGY120T65SPD which is AEC Q101 qualified offers very low conduction and switch losses for a high efficiency operation in various applications, rugged transient reliability and low EMI.

Meanwhile, this part also of

ELECTRICAL CHARACTERISTICS (T _J = 25°C unless otherwise noted) (Continued)		

TYPICAL CHARACTERISTICS

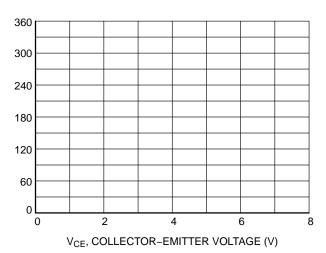
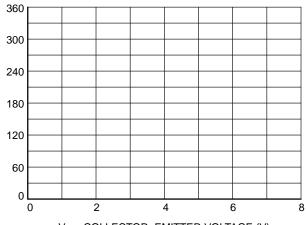


Figure 1. Typical Output Characteristics



 V_{CE} , COLLECTOR-EMITTER VOLTAGE (V) Figure 2. Typical Output Characteristics

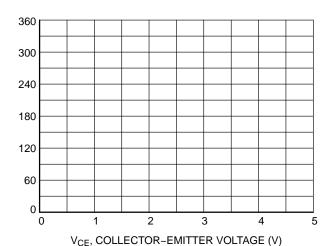


Figure 3. Typical Saturation Voltage

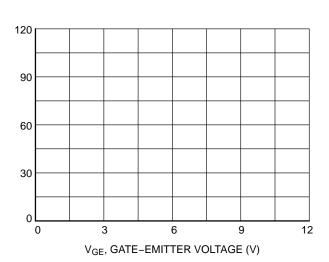


Figure 4. Transfer Characteristics

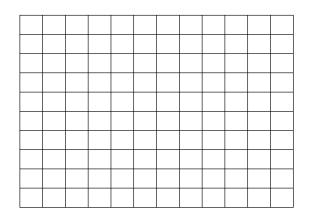
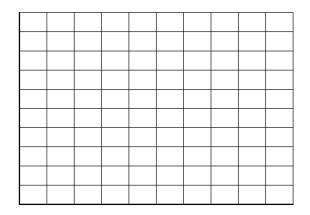


Figure 5. Saturation Voltage vs. Case
TemperatureFigure 5. Saturation VV)



www.

TYPICAL CHARACTERISTICS

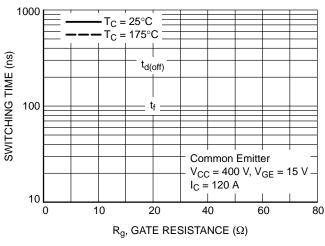


Figure 13. Turn-Off Characteristics vs. Gate Resistance

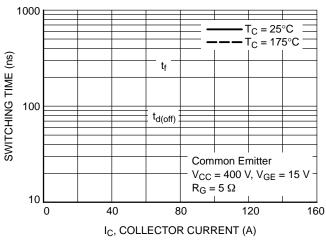


Figure 15. Turn-Off Characteristics vs.
Collector Current

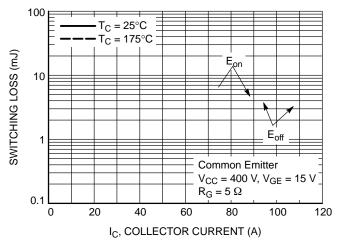


Figure 17. Switching Loss vs. Collector Current

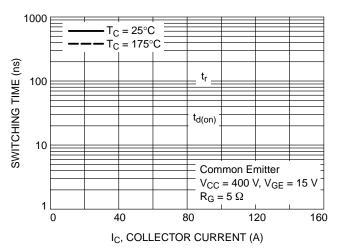


Figure 14. Turn-On Characteristics vs.
Collector Current

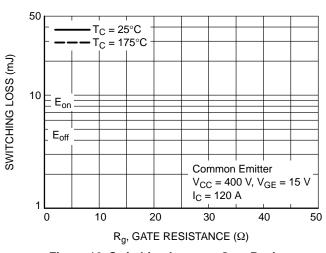


Figure 16. Switching Loss vs. Gate Resistance

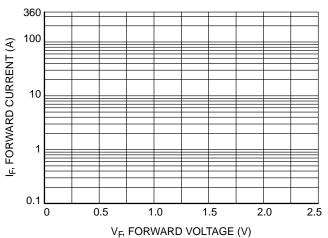
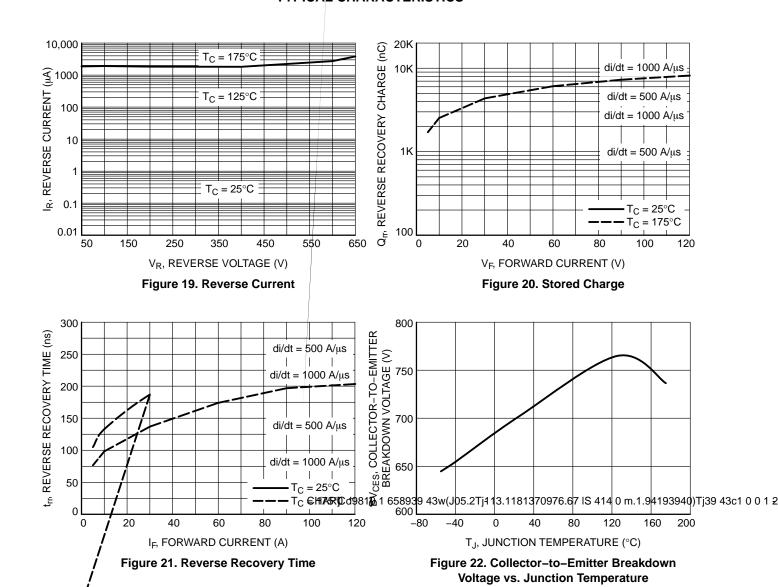
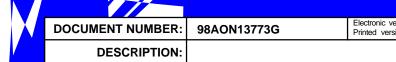


Figure 18. Forward Characteristics

TYPICAL CHARACTERISTICS







D E2

L1 L b2

3 1 **b**4 b e 2x

GENERIC MARKING DIAGRAM*



XXXX = Specific vice Code = Assemb ite Code = Year

WW = Work W

= Assemb ot Code ZZ

*This information device data shee Pb–Free indicato or may not be pre not follow the Ge

eric. Please refer to actual part marking. or microdot "∎", may Some products may larking.

