

AFGB30T65SQDN

Table 1. THERMAL RESISTANCE RATINGS

Parameter	Symbol	Max	Unit
--	θ		°
--	θ		
--	θ		

Table 2. ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
OFF CHARACTERISTICS						
--				-	-	
	$\Delta \quad \Delta$		-		-	°
-			-	-		μ
-			-	-	\pm	

ON CHARACTERISTICS

--						°

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Table 2. ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
DIODE CHARACTERISTICS						
			-			
		μ	-		-	μ
			-		-	
			-		-	
			-		-	
		μ	-		-	μ
			-		-	
			-		-	

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TYPICAL CHARACTERISTICS

Figure 1. Typical Output Characteristics (25°C)

Figure 2. Typical Output Characteristics (175°C)

Figure 3. Typical Saturation Voltage Characteristics

Figure 4. Saturation Voltage vs. Case Temperature at Variant Current Level

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TYPICAL CHARACTERISTICS

Figure 7. Capacitance Characteristics

Figure 8. Gate Charge Characteristics

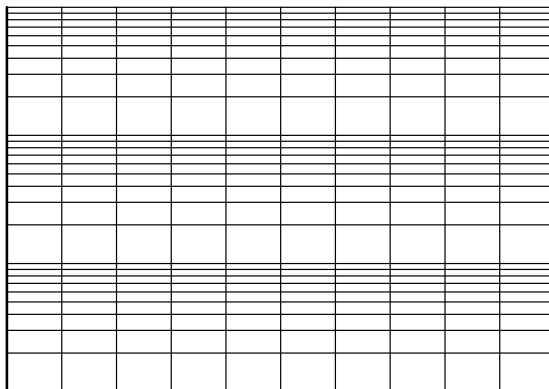
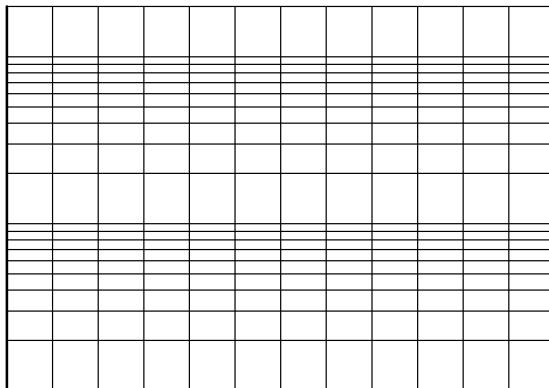


Figure 10. Turn-off Characteristics vs. Gate Resistance

Figure 9. Turn-on Characteristics vs. Gate Resistance

Figure 10. Turn-off Characteristics vs. Gate Resistance



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TYPICAL CHARACTERISTICS

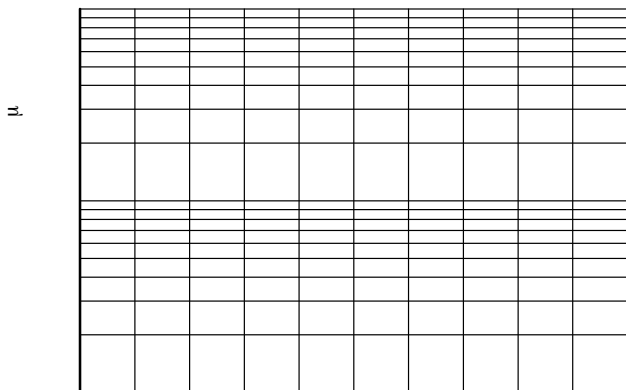


Figure 13. Switching Loss vs. Gate Resistance

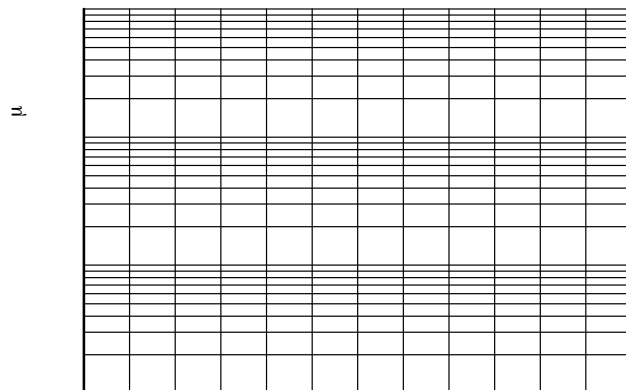


Figure 14. Switching Loss vs. Collector Current

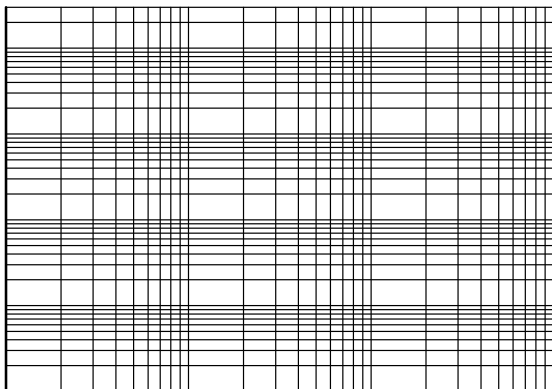


Figure 15. SOA Characteristics

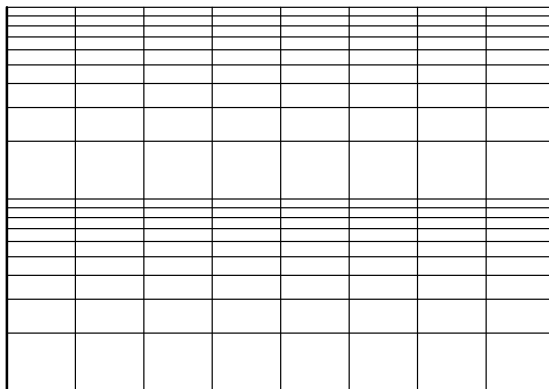


Figure 16. Forward Characteristics

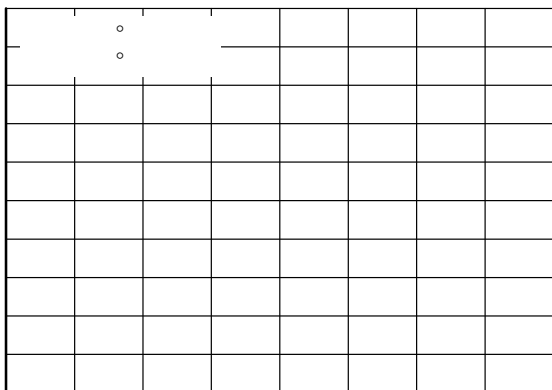


Figure 17. Reverse Recovery Current

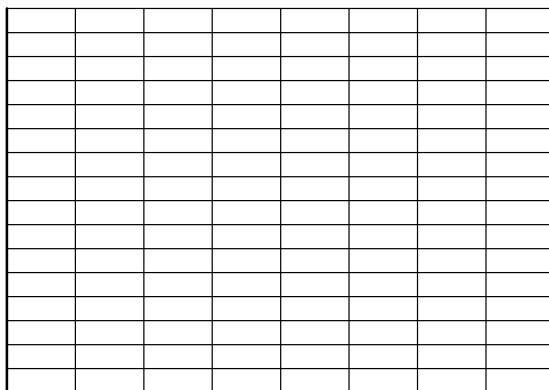


Figure 18. Reverse Recovery Time

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SCALE 1:1

D²PAK-3 (TO-263, 3-LEAD)
CASE 418AJ
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