S C (S C) MOSFET – E S C, 19 , 650 V , M2, TO-247-3L

NTHL025N065SC1

Features

- Typ. R DS(T)e69 cm 0 0 l91.9874 75 0 TD-0Typ. RT Featurem F1 6dSmF.743 2.216.0012 T T Order Number (T)65@ V3 2.w(DS)57 1. 0 1e69 cm 0 0 l91.70(T)6GS3 2.2 202.3

THERMAL RESISTANCE MAXIMUM RATINGS

Parameter	Symbol	Max	Unit
	θ		°
	θ		

ELECTRICAL CHARACTERISTICS °

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
OFF CHARACTERISTICS						
		°				°
		°				µ
		°				
ON CHARACTERISTICS						

ELECTRICAL CHARACTERISTICS °

Parameter	Min	Typ	Max	Unit

TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS

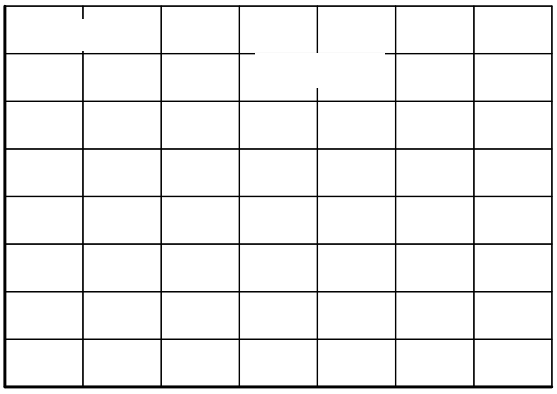


Figure 7. Gate−to−Source Voltage vs. Total Charge

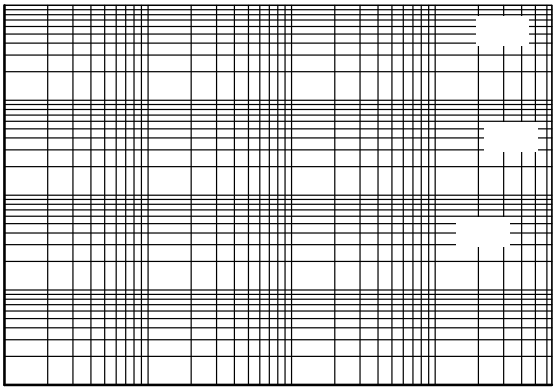


Figure 8. Capacitance vs. Drain−to−Source Voltage

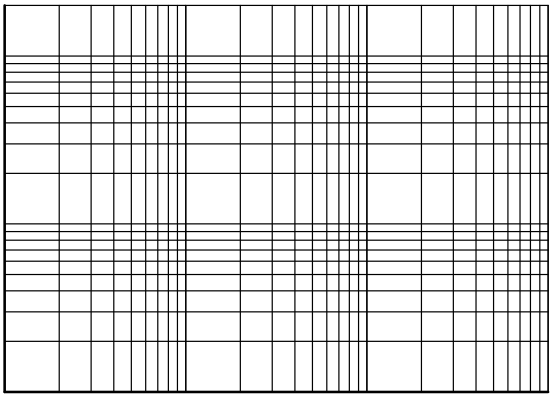


Figure 9. Unclamped Inductive Switching Capability

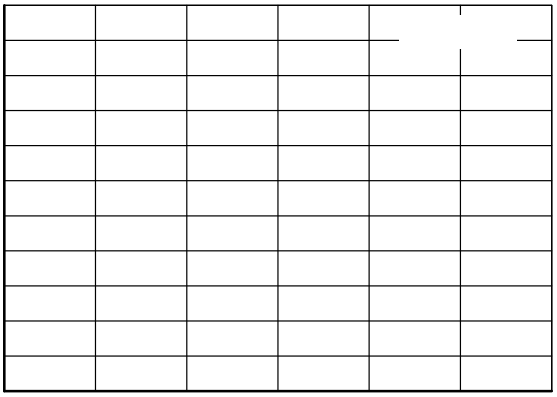


Figure 10. Maximum Continuous Drain Current vs. Case Temperature

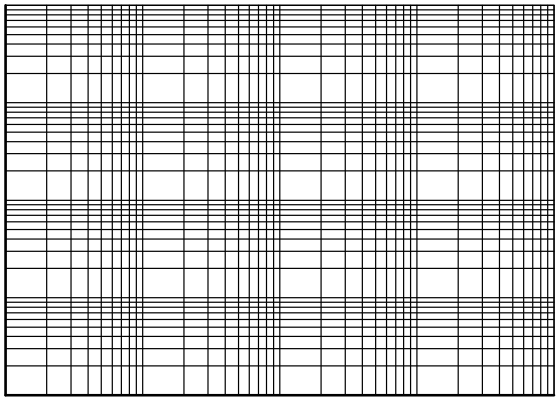


Figure 11. Safe Operating Area

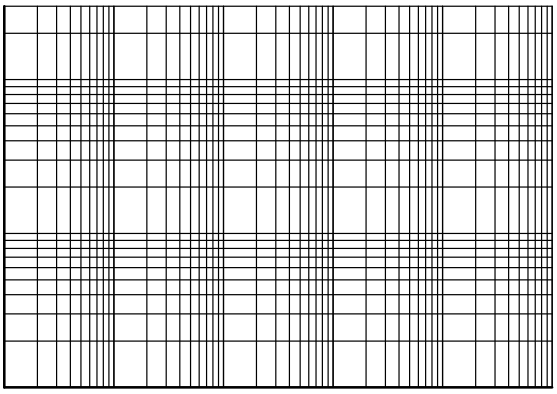


Figure 12. Single Pulse Maximum Power Dissipation

TYPICAL CHARACTERISTICS

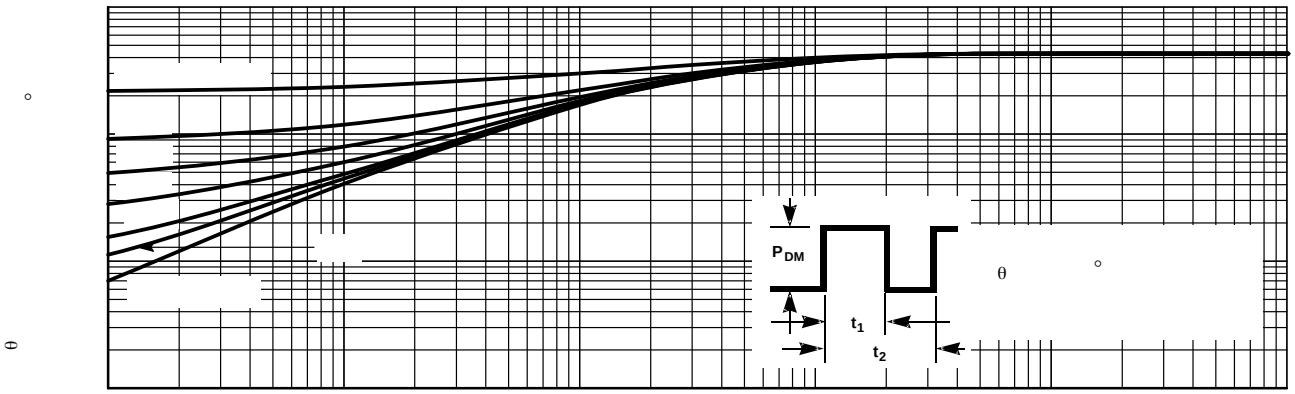
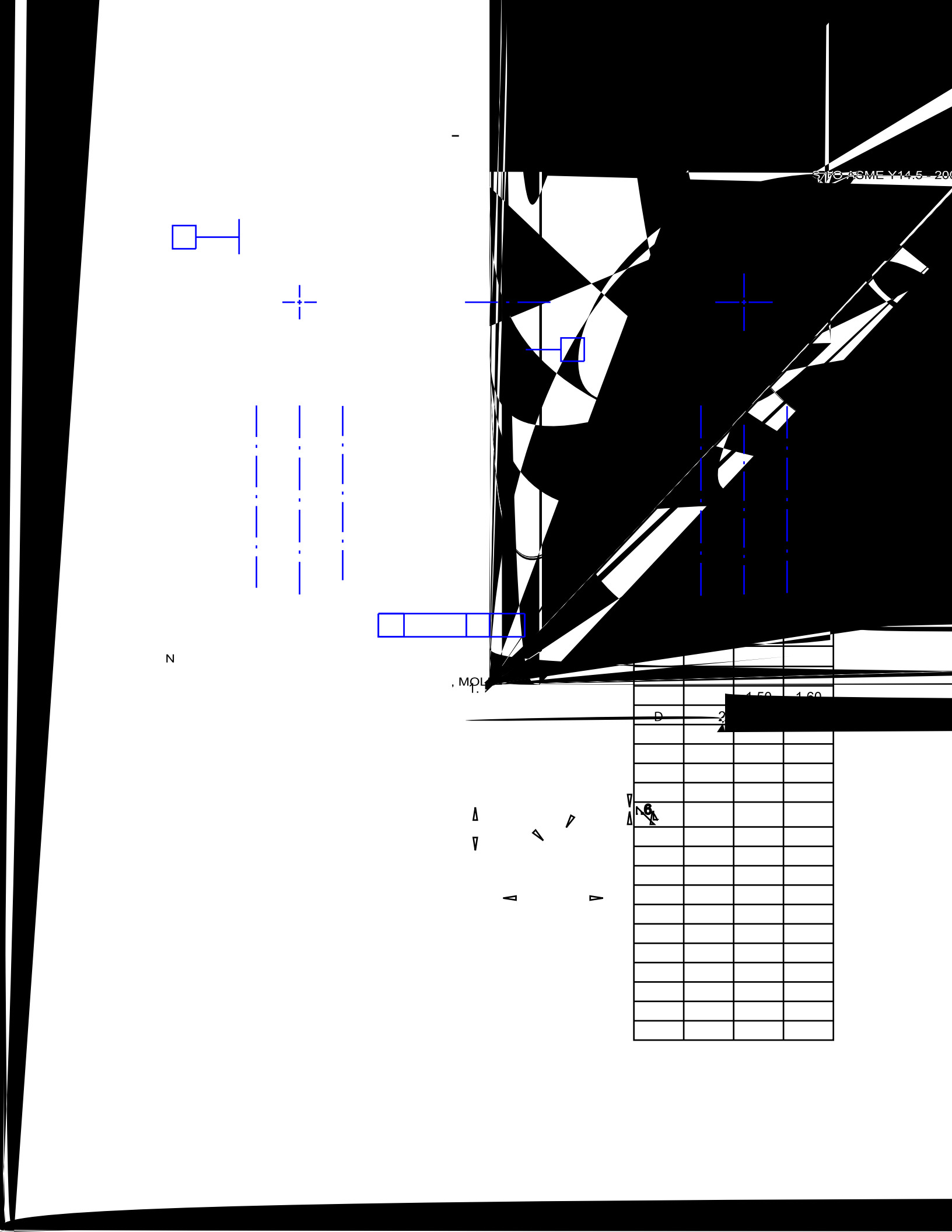


Figure 13. Junction−to−Case Thermal Response


ASME Y14.5
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D