Feature

- High Speed Power Smooth Switching
- Enhanced Body diode dv/dt capability
- Enhanced Avalanche Ruggedness
- 100% UIS Tested, 100% Rg Tested
- Lead Free

DS(on),typ	
DS(on),typ	
DS(on),typ	

Application

- Synchronous Rectification in SMPS
- Hard Switching and High Speed Circuit
- Power Tools
- UPS
- Motor Control

TO-263

TO-220

TO-247

Src
Pin3

=25 (unless otherwise specified)

		=25		
		=100		
		=25		
Power Dissipation		=25		
Operating and Storage Temperature				

	ΘJC		/W
	ΘJA		/W

=25 (unless otherwise specified)

typ

Figure 7. Typical Gate-Charge vs. Gate-to-Source Voltage

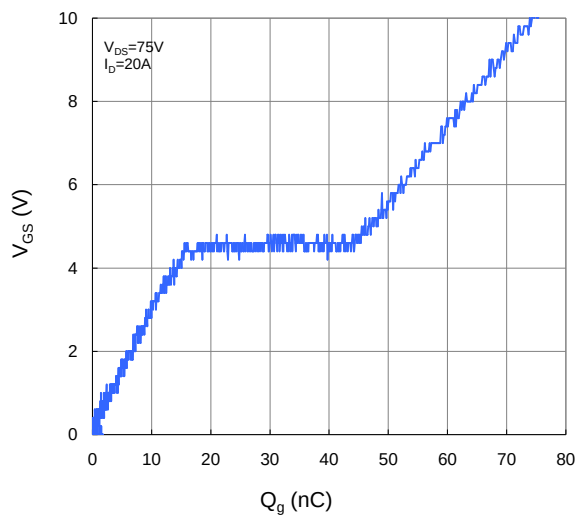


Figure 8. Typical Capacitance vs. Drain-to-Source Voltage

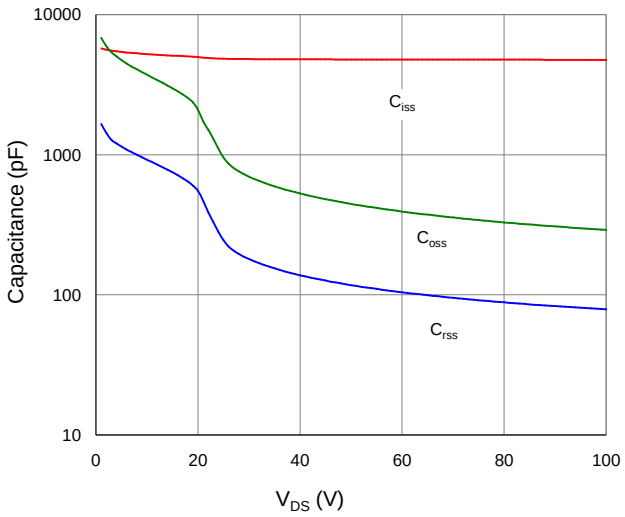


Figure 9. Maximum Safe Operating Area

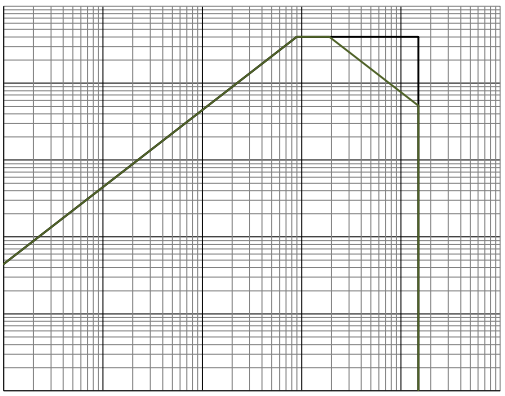
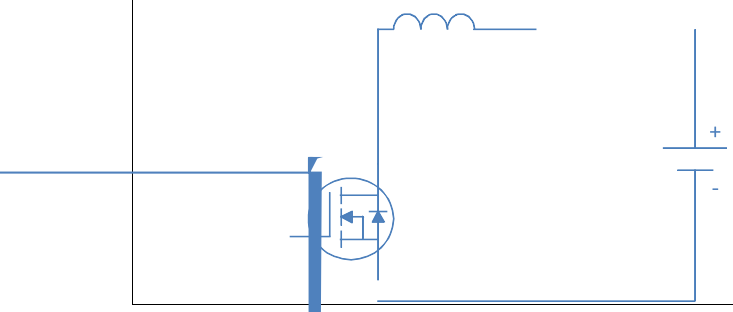
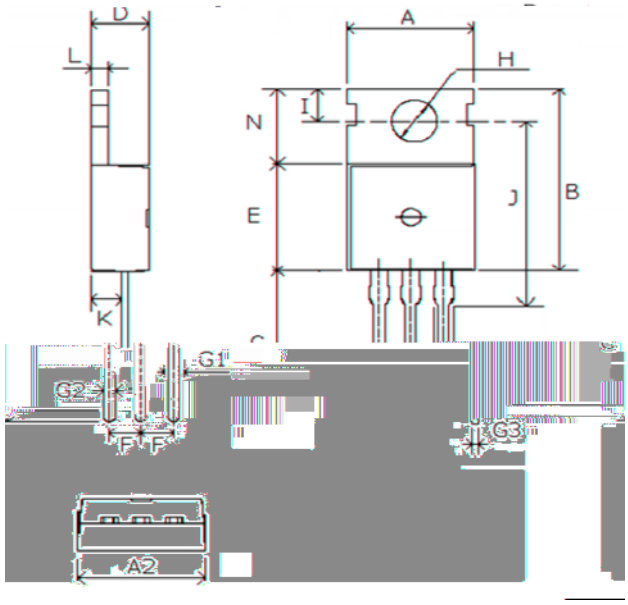


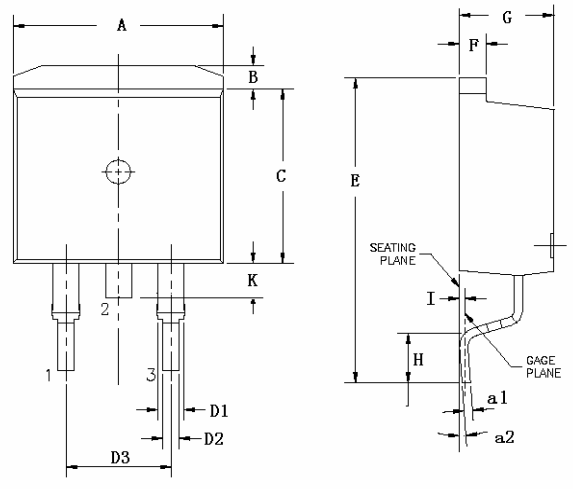
Figure 10. Maximun Drain Current vs. Case Temperature

Figure 11. Normalized Maximum Transient Thermal Impedance, Junction-to-Case

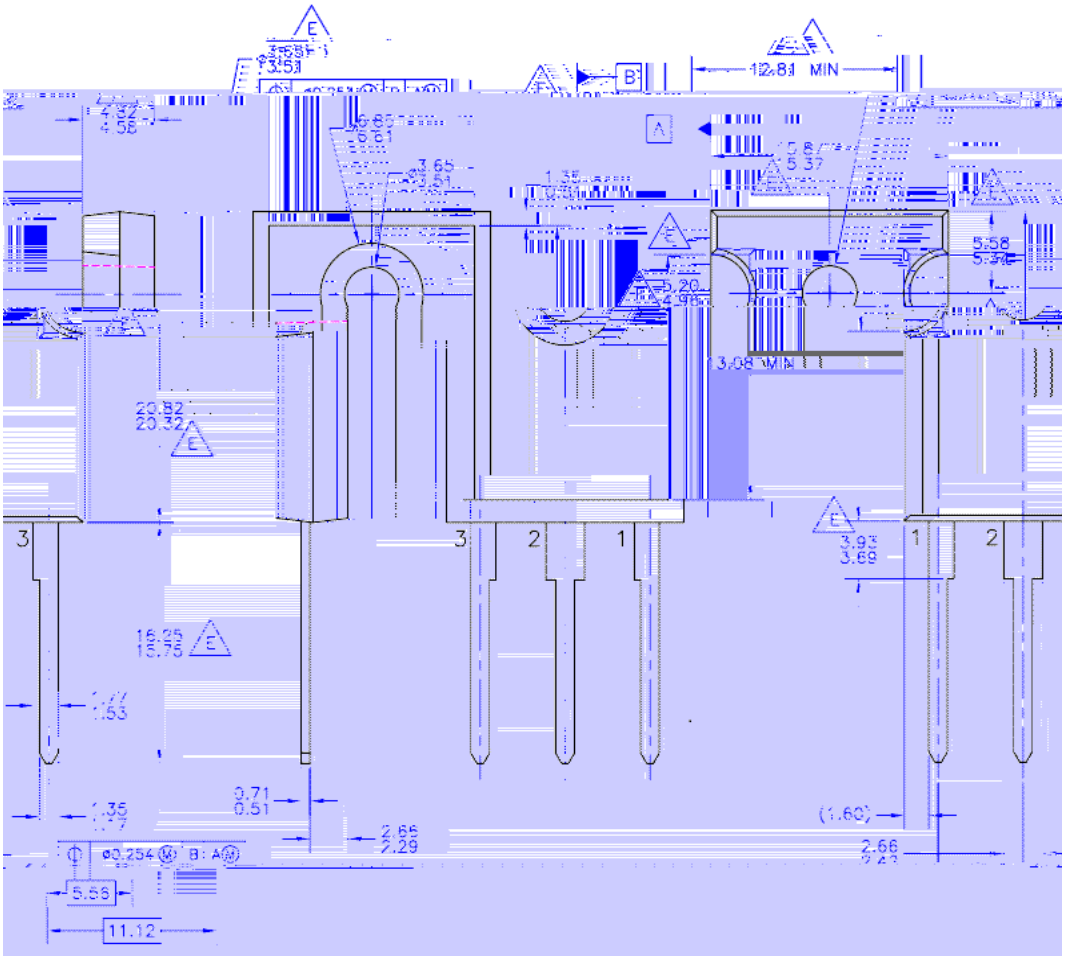
Uclamped Inductive Switching (UIS) Test	
	



Dimentions in mm unless otherwise specified



Dimentions in mm unless otherwise specified


12.81 MIN
3.08 MIN
20.82
20.32
5.56
11.12
(1.60)