Feature

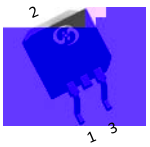
- High Speed Power Switching
- Enhanced Body diode dv/dt capability
- Enhanced Avalanche Ruggedness
- 100% UIS Tested, 100% Rg Tested
- Lead Free

Application

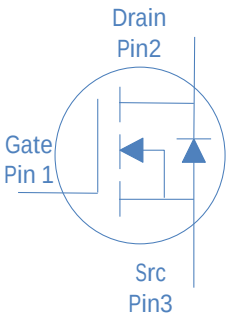
- Synchronous Rectification in SMPS
- Hard Switching and High Speed Circuit
- Power Tools
- UPS
- Motor Control

			Ω
			Ω
			Ω

TO-263



TO-220

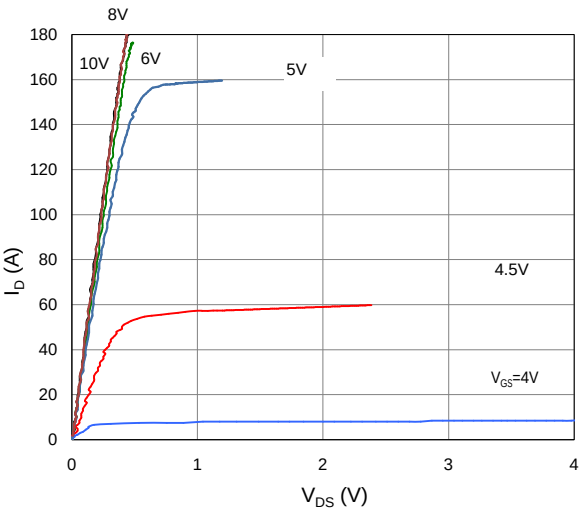


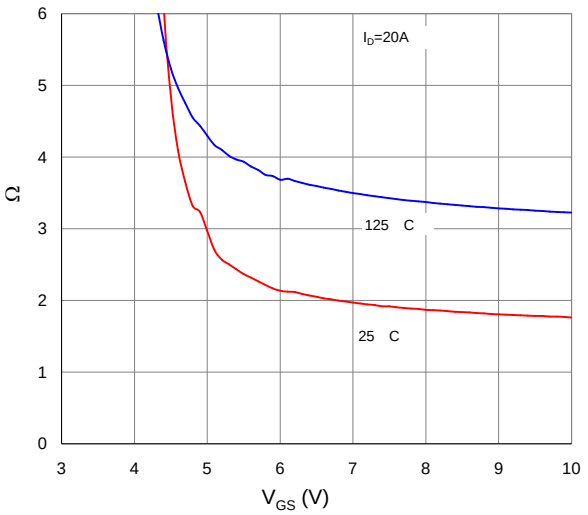
TO-247

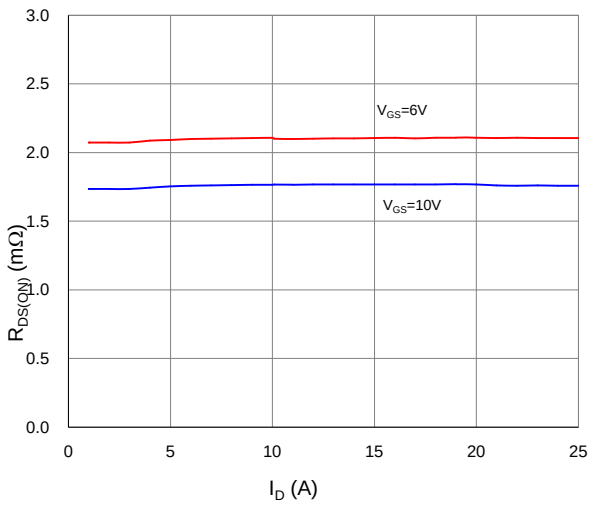
		μ				
		μ				
						μ
						Ω
						Ω

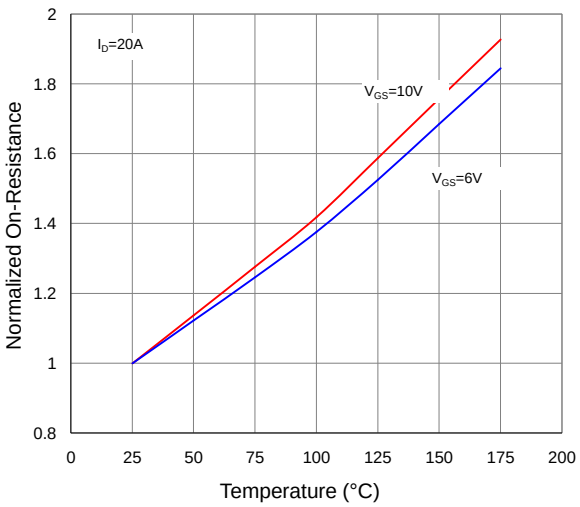
		Ω				

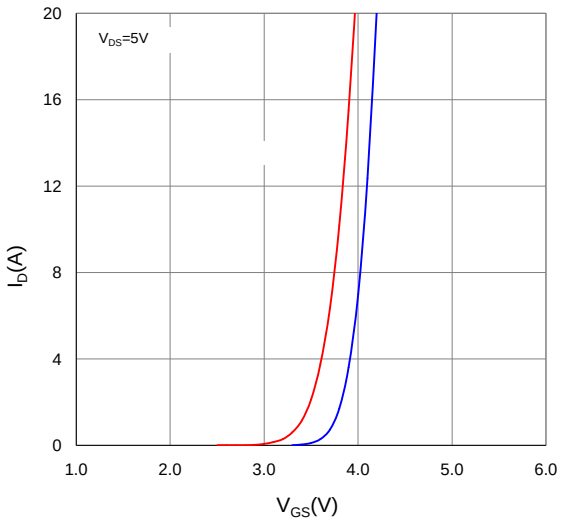
		μ				

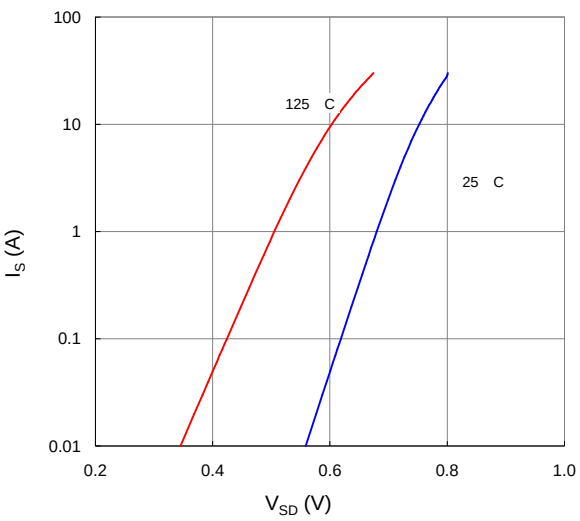

8V
10V
6V
5V
4.5V
V_{GS}=4V
I_D (A)
V_{DS} (V)

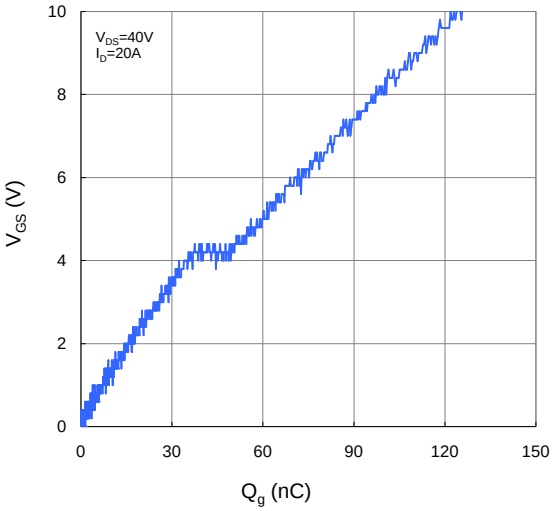

I_D=20A
125 C
25 C
Ω
V_{GS} (V)

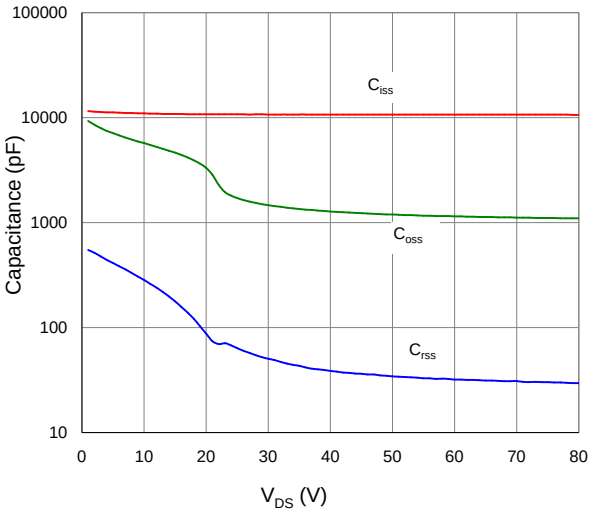

V_{GS}=6V
V_{GS}=10V
$R_{DS(ON)}$ (mΩ)
I_D (A)

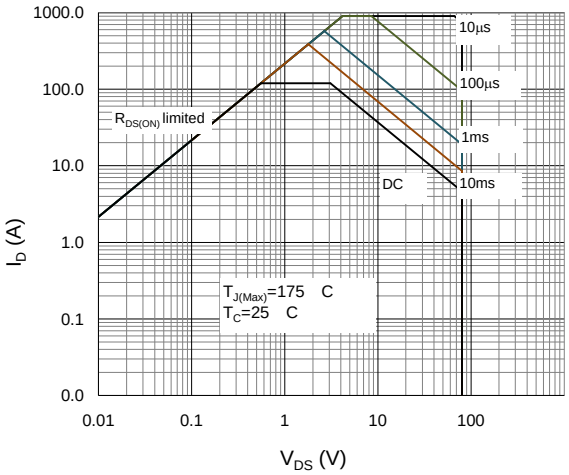

I_D=20A
V_{GS}=10V
V_{GS}=6V
Normalized On-Resistance
Temperature (°C)

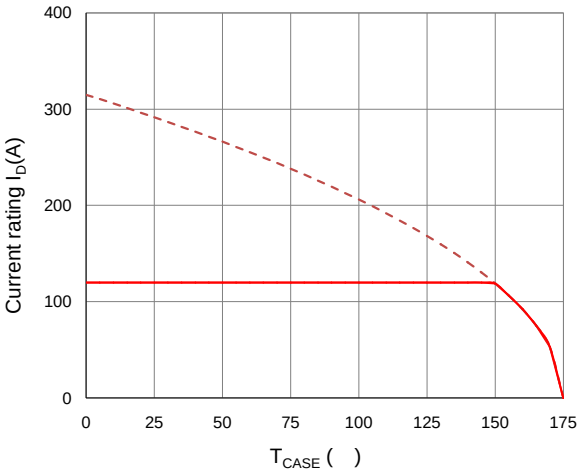

V_{DS}=5V
I_D(A)
V_{GS}(V)

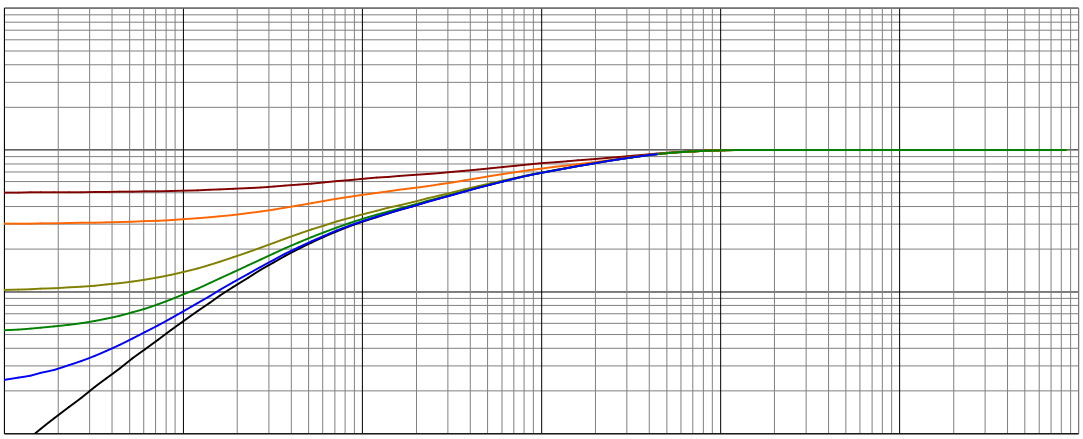

125 C
25 C
I_S (A)
V_{SD} (V)

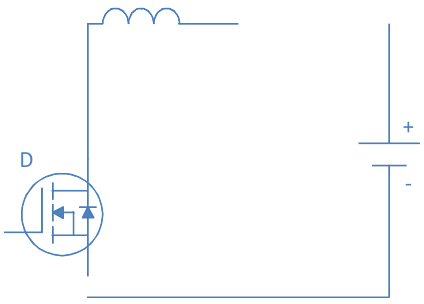

V_{DS}=40V
I_D=20A
V_{GS} (V)
Q_g (nC)

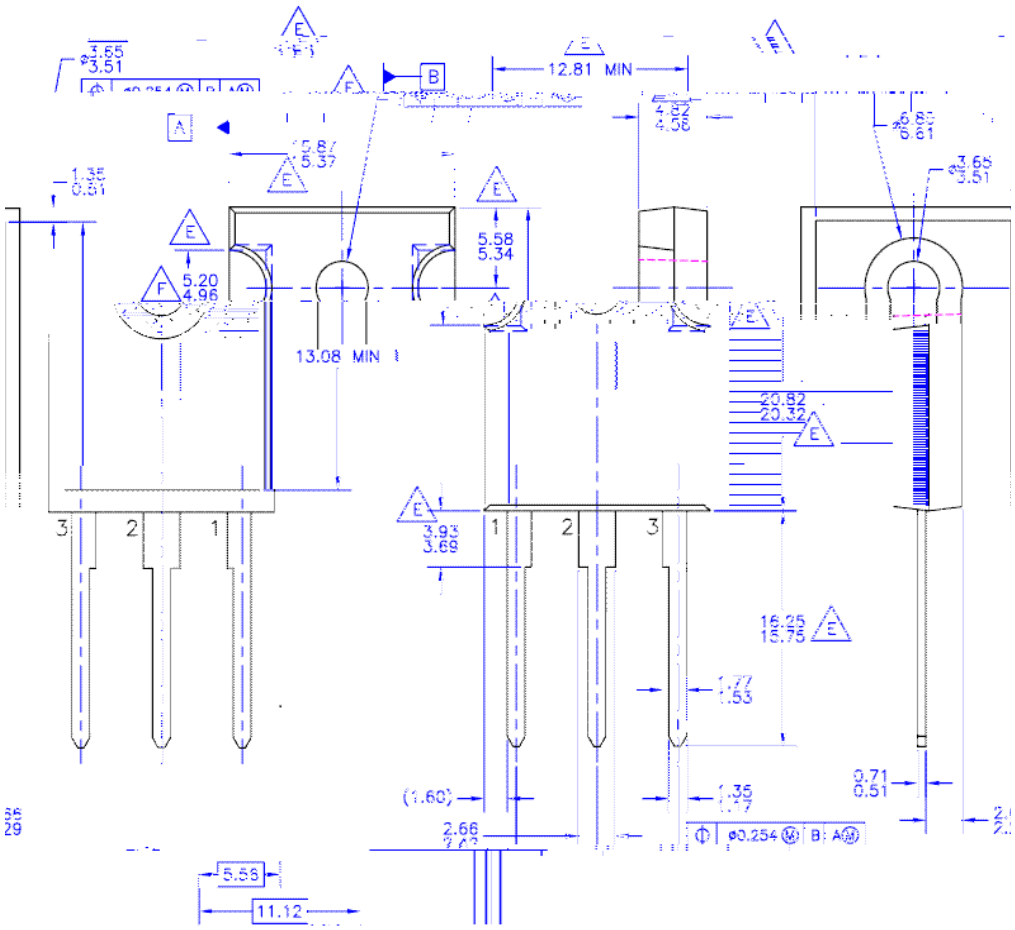

C_{iss}
C_{oss}
C_{rss}
Capacitance (pF)
V_{DS} (V)


$R_{DS(ON)}$ limited
10μs
100μs
1ms
10ms
DC
$T_{J(Max)}$=175 C
T_C=25 C
I_D (A)
V_{DS} (V)


Current rating I_D(A)
T_{CASE} ( )




D
+
-


12.81 MIN
13.08 MIN
5.58
5.34
5.20
4.96
20.82
20.32
16.25
15.75
1.77
1.53
0.71
0.51
(1.60)
2.66
5.55
11.12
ø0.254 M B A M