Feature

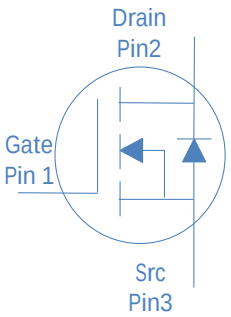
- High Speed Power Smooth Switching, Logic Level
- Enhanced Body diode dv/dt capability
- Enhanced Avalanche Ruggedness
- 100% UIS Tested, 100% Rg Tested
- Lead Free

			Ω
			Ω

Application

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

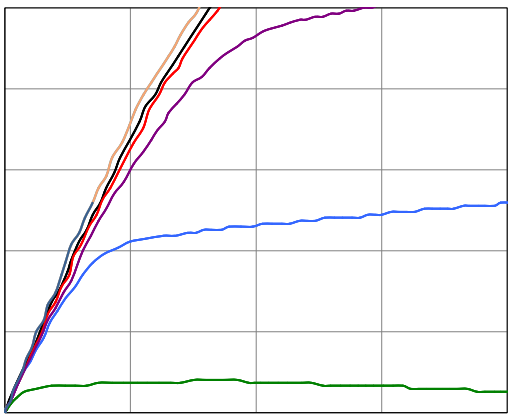
TO-220

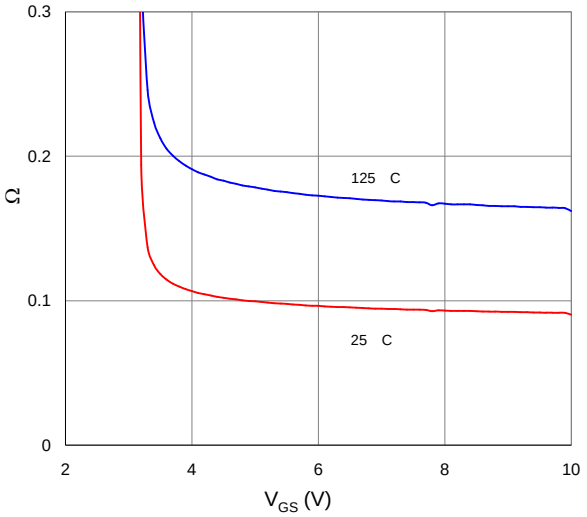


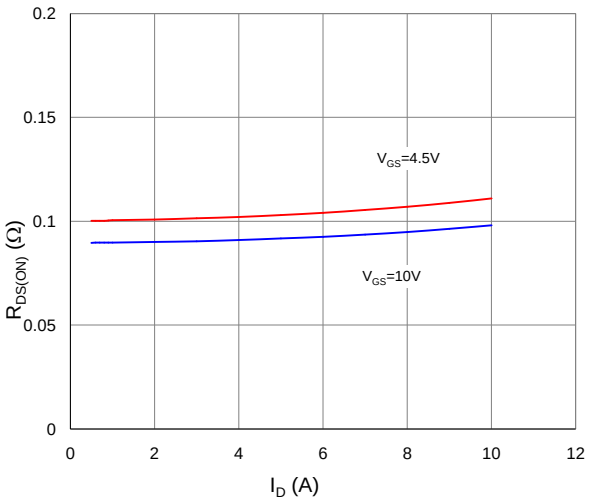
		μ				
		μ				
						μ
						Ω
						Ω
						Ω

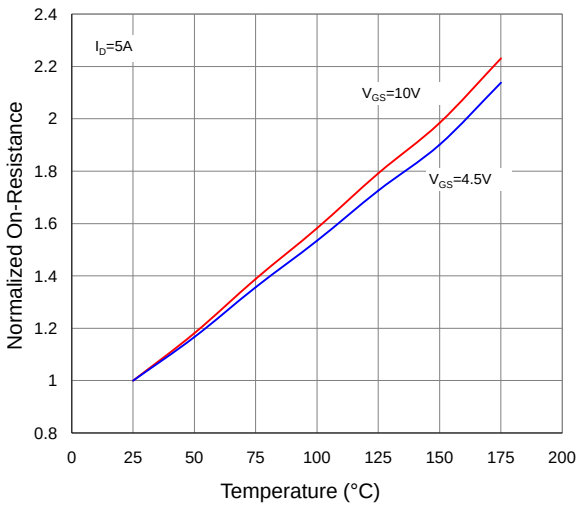
		Ω				

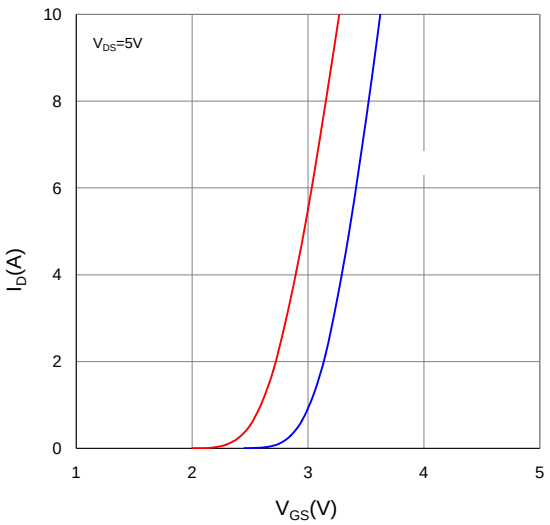
		μ				

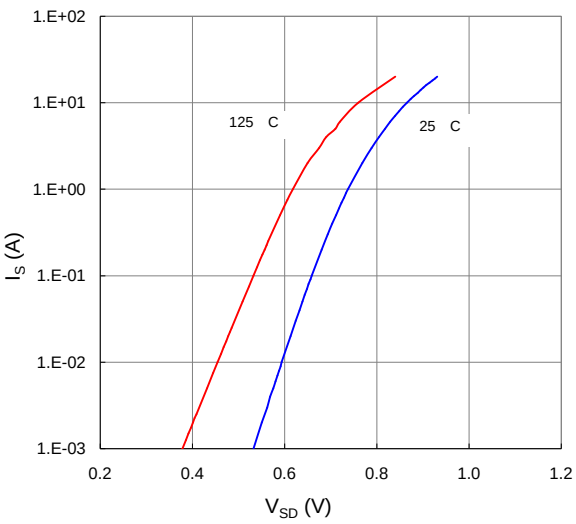


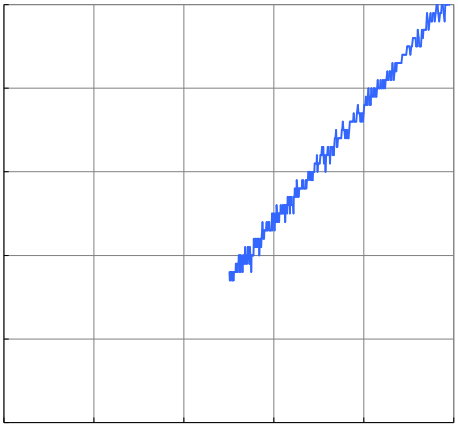

0.3
0.2
0.1
0
Ω
125 C
25 C
2
4
6
8
10
VGS (V)

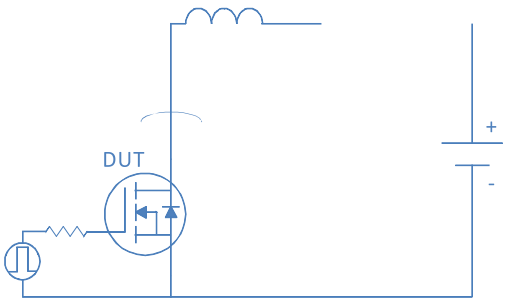

0.2
0.15
0.1
0.05
0
RDS(ON) (Ω)
VGS=4.5V
VGS=10V
0
2
4
6
8
10
12
ID (A)

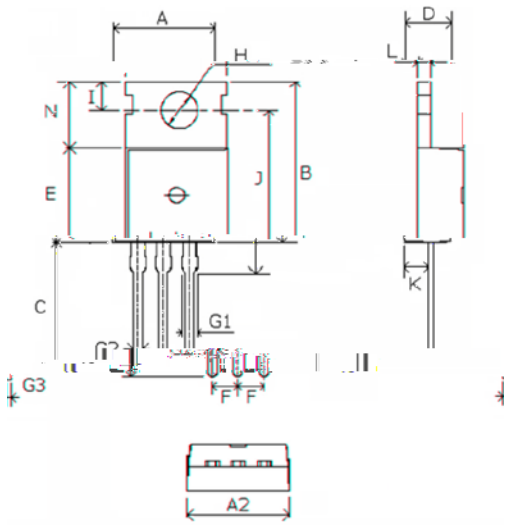

2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
Normalized On-Resistance
ID=5A
VGS=10V
VGS=4.5V
0
25
50
75
100
125
150
175
200
Temperature (°C)


10
8
6
4
2
0
ID(A)
VDS=5V
1
2
3
4
5
VGS(V)


1.E+02
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
IS (A)
125 C
25 C
0.2
0.4
0.6
0.8
1.0
1.2
VSD (V)

 DUT + -	


A
H
D
L
N
I
E
J
B
K
C
G1
G2
G3
F
F
A2
