V		250	V
R			mΩ
R			mΩ
R			
I			A
I			A

Absolute Maximum Ratings at T_j

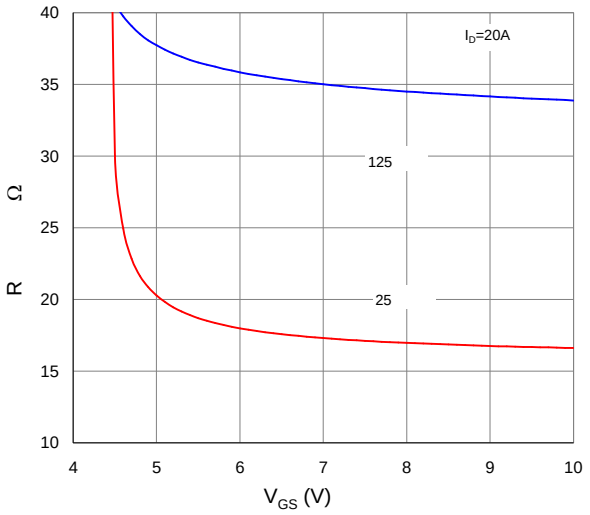
			Value	Unit
I_D	T_C			A
V	-			V
V	-		±20	V
I_{DM}	-		290	A
		C	180	mJ
P_D	T_C			W
T_J, T_{stg}	-			

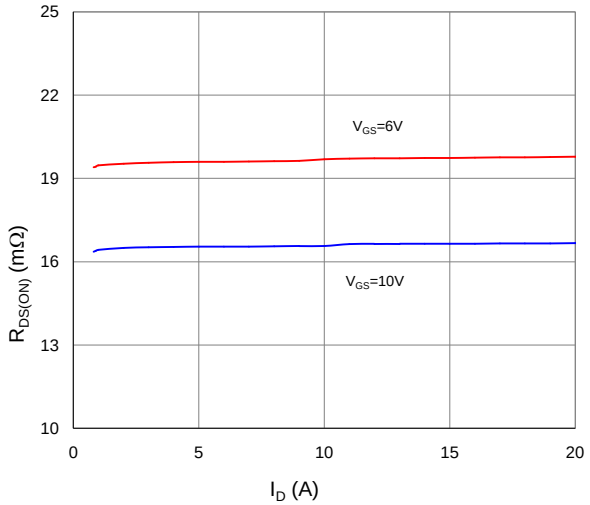
j

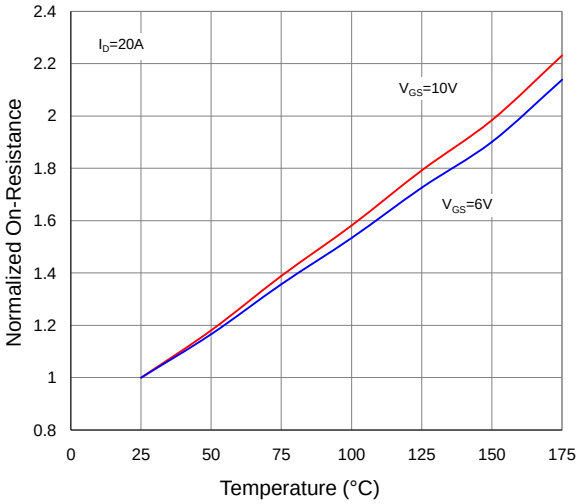
			Value			Unit
			min		max	
	V	V =0V, I_D=250μA	250	-	-	V
	V	V =V , I_D=250μA	2			
	I	V =0V, V =200V, T_j	-	-	1	μA
		V =0V, V =200V, T_j	-	-	100	
	I	V =±20V, V =0V	-	-	±100	nA
	R	V =10V, I_D=20A	-			mΩ
			-		22	
	g	V =5V, I_D=20A	-		-	
	R_G	V =0V, V	-		-	Ω

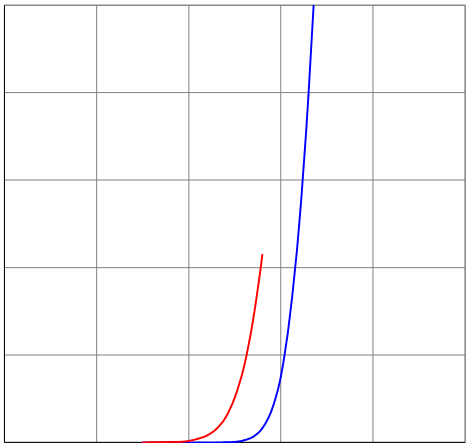
	C_{iss}	V =0V, V	-		-	
	C_{oss}		-		-	
	C		-		-	
	Q_g	V_{DD}=125V, I_D=20A, V =10V	-	58	-	nC
	Q_{gs}		-	18	-	
	Q		-		-	
	t	V_{DD}=125V, I_D=20A, V =10V, R_G=10Ω,	-		-	ns
Rise time	t		-	22	-	
	t		-		-	
	t		-	11	-	

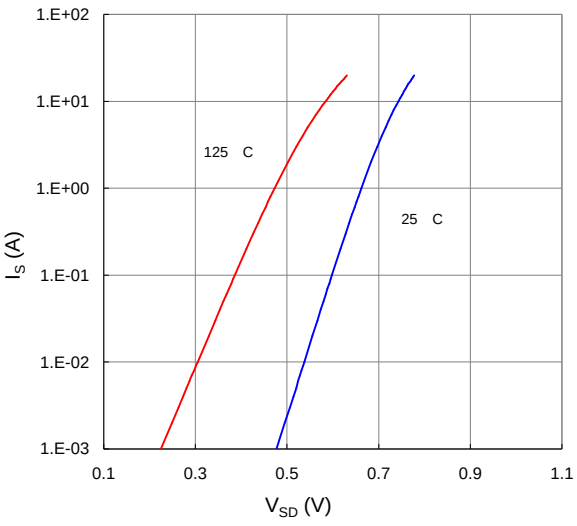
	V	V =0V, I =20A	-		-	V
	t	V_R=125V, I μs	-		-	ns
	Q		-		-	nC

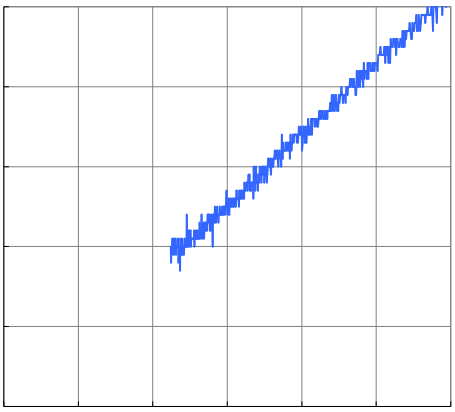

40
35
30
25
20
15
10
4
5
6
7
8
9
10
R
Ω
V_{GS} (V)
I_D=20A
125
25

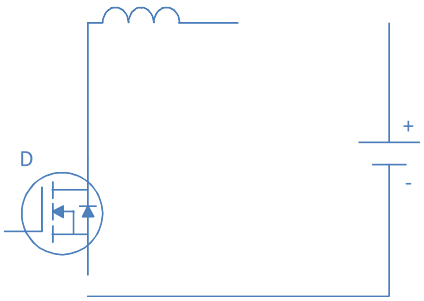

25
22
19
16
13
10
0
5
10
15
20
$R_{DS(ON)}$ (mΩ)
I_D (A)
V_{GS}=6V
V_{GS}=10V

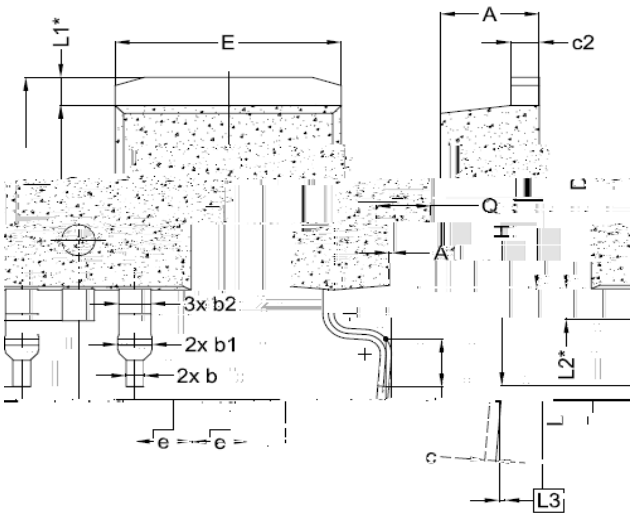

2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
25
50
75
100
125
150
175
Normalized On-Resistance
Temperature (°C)
I_D=20A
V_{GS}=10V
V_{GS}=6V



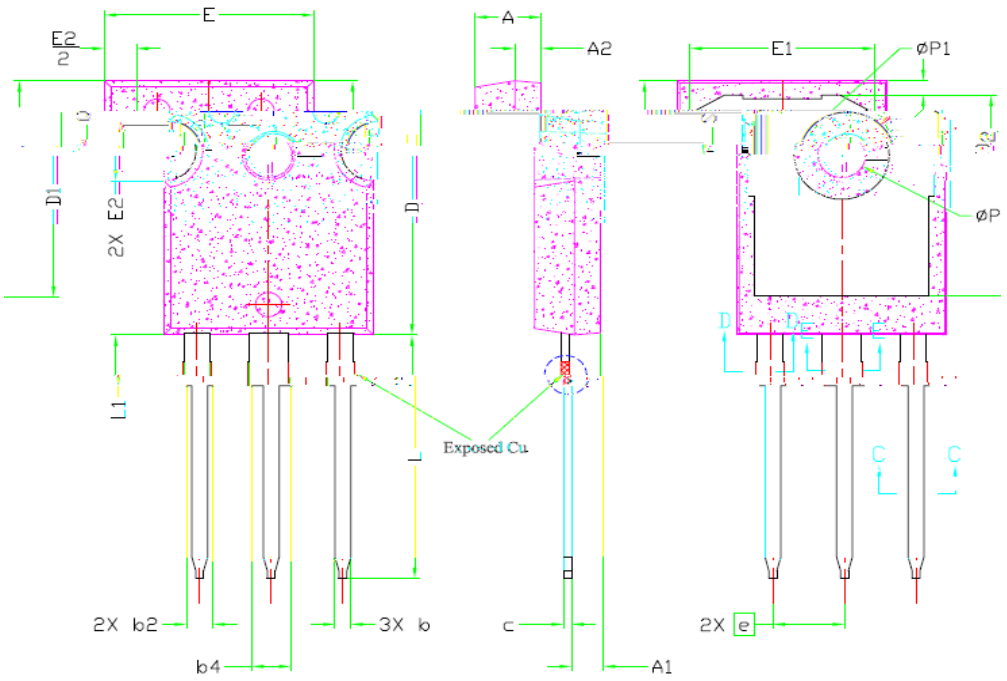

1.E+02
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
0.1
0.3
0.5
0.7
0.9
1.1
I_S (A)
V_{SD} (V)
125 C
25 C


D
+
-



SYMBOL	DIMENSIONS		
	MIN.	NOM.	MAX.
A	4.24	4.44	4.64
A1	0.00	0.10	0.25
b	0.70	0.80	0.90
b1	1.20	1.55	1.75
b2	1.20	1.45	1.70
c	0.40	0.50	0.60
c2	1.15	1.27	1.40
D	8.82	8.92	9.02



SYMBOL	DIMENSIONS			NOTES
	MIN.	NOM.	MAX.	
A	4.83	5.02	5.21	
A1	2.29	2.41	2.55	
A2	1.50	2.00	2.49	
b	1.12	1.20	1.33	
b1	1.12	1.20	1.28	
b2	1.91	2.00	2.39	6
b3	1.91	2.00	2.34	
b4	2.87	3.00	3.22	6, 8
b5	2.87	3.00	3.18	
c	0.55	0.60	0.69	6
c1	0.55	0.60	0.65	
D	20.80	20.95	21.10	4
D1	16.25	16.55	17.65	5
D2	0.51	1.19	1.35	
E	15.75	15.94	16.13	4
E1	13.46	14.02	14.16	5
E2	4.32	4.91	5.49	3
e	5.44BSC			
L	19.81	20.07	20.32	
L1	4.10	4.19	4.40	6
ØP	3.56	3.61	3.65	7
ØP1	7.19REF.			
Q	5.39	5.79	6.20	
S	6.04	6.17	6.30	