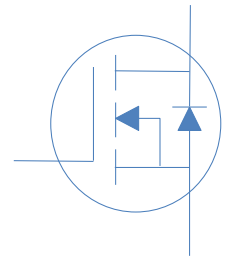




V_{DS}		100	V
R	TO-263	3.4	m Ω
R	TO-220	3.7	m Ω
I_D		161	A

2



HGB042N10S	TO-263	GB042N10S
HGP042N10S	TO-220	GP042N10S

Absolute Maximum Ratings at T_J

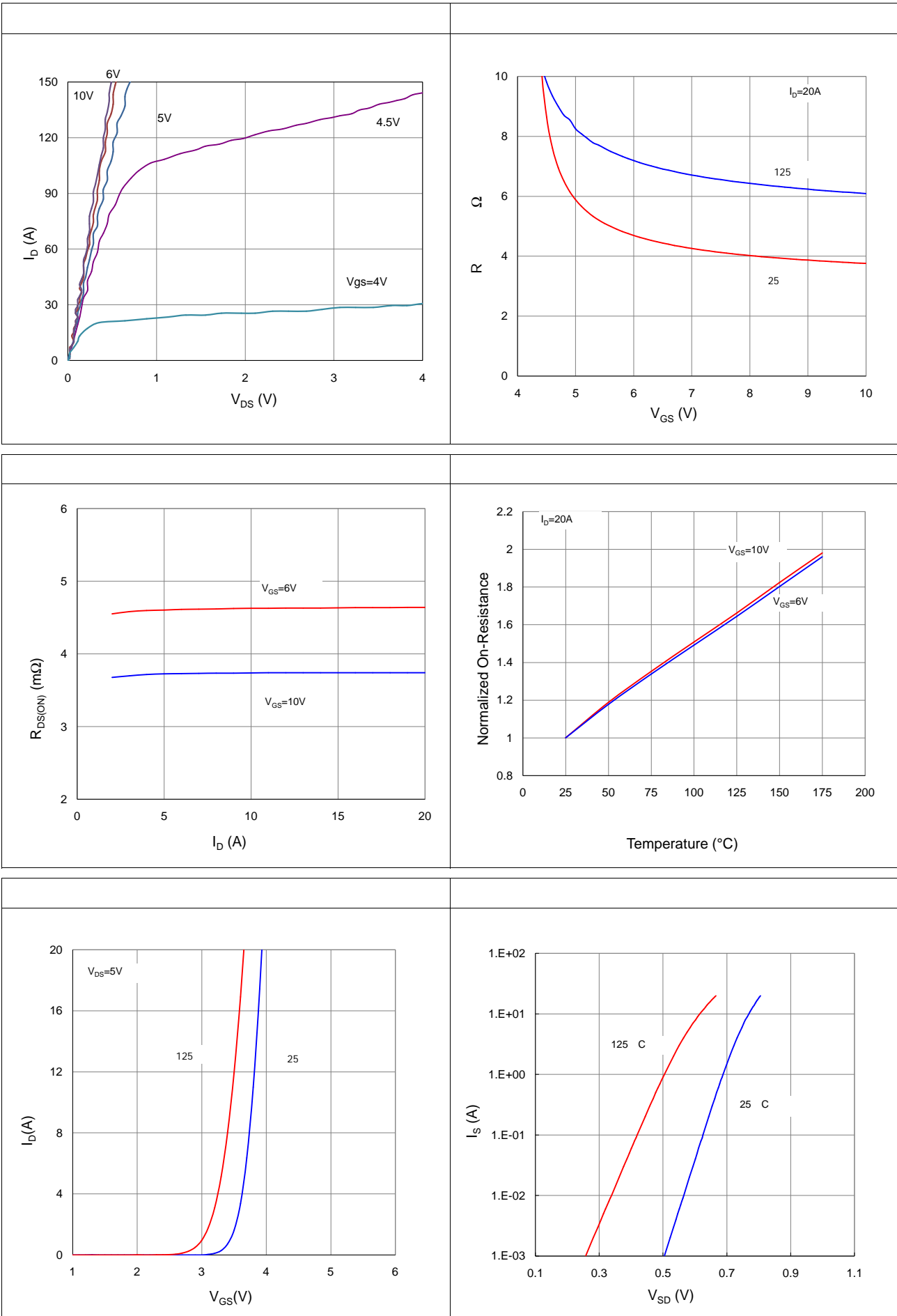
			Value	Unit
I_D	T_C		161	A
	T_C		114	
V_{DS}	-		100	V
V_{GS}	-		± 20	V
I_{DM}	-		450	A
I_{AS}	L=0.1mH, T_C		180	mJ
P_D	T_C		214	W
T_J, T_{stg}	-		-55 to 175	

Absolute Maximum Ratings

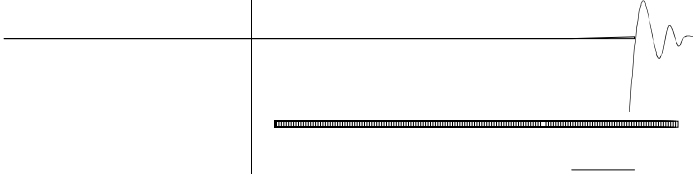
		Max	Unit
	R	0.7	
	R	60	



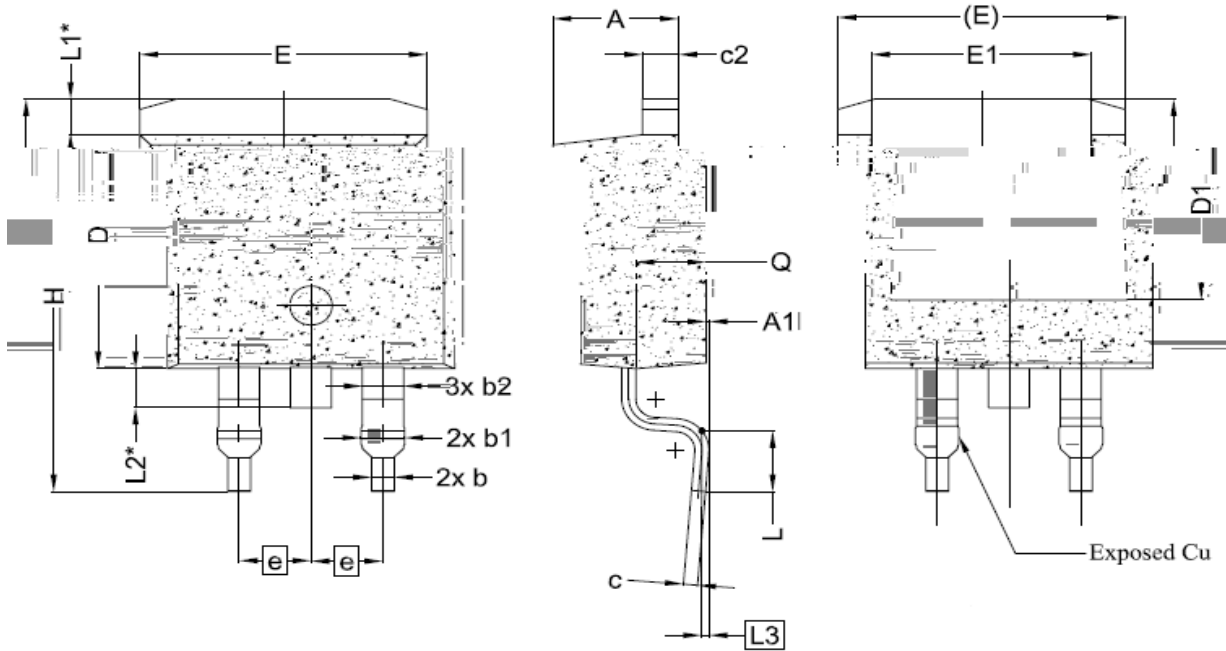
V	$V_{GS}=0V, I_D=250\mu A$	100	-	-	
V	$V_{GS}=V_{DS}, I_D=250\mu A$	2	3	4	
I_{DSS}	$V_{GS}=0V, V_{DS}=100V, T_j$	-	-	1	
		-	-	100	
		-	-	± 100	
	$V_{GS}=10V, I_D=20A$ TO-263	-	3.4	3.9	
R	$V_{GS}=10V, I_D=20A$	-	3.7	4.2	m Ω
g			70	-	
				-	
				13	
				52	
				-	









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
D1	6.86	7.65	—
E	9.96	10.16	10.36
E1	6.89	7.77	7.89
e	2.54 BSC		
H	14.61	15.00	15.88
L	1.78	2.32	2.79
L1	1.36 REF.		
L2	1.50 REF.		
L3	0.25 BSC		
Q	2.30	2.48	2.70