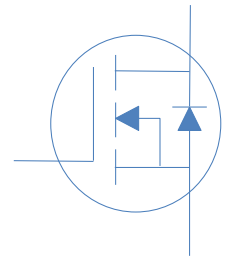


$V_{DS}$		100	V
R	TO-263	3.4	m $\Omega$
R	TO-220	3.7	m $\Omega$
$I_D$		161	A



HGB042N10S	TO-263	GB042N10S
HGP042N10S	TO-220	GP042N10S

### Absolute Maximum Ratings at $T_J$

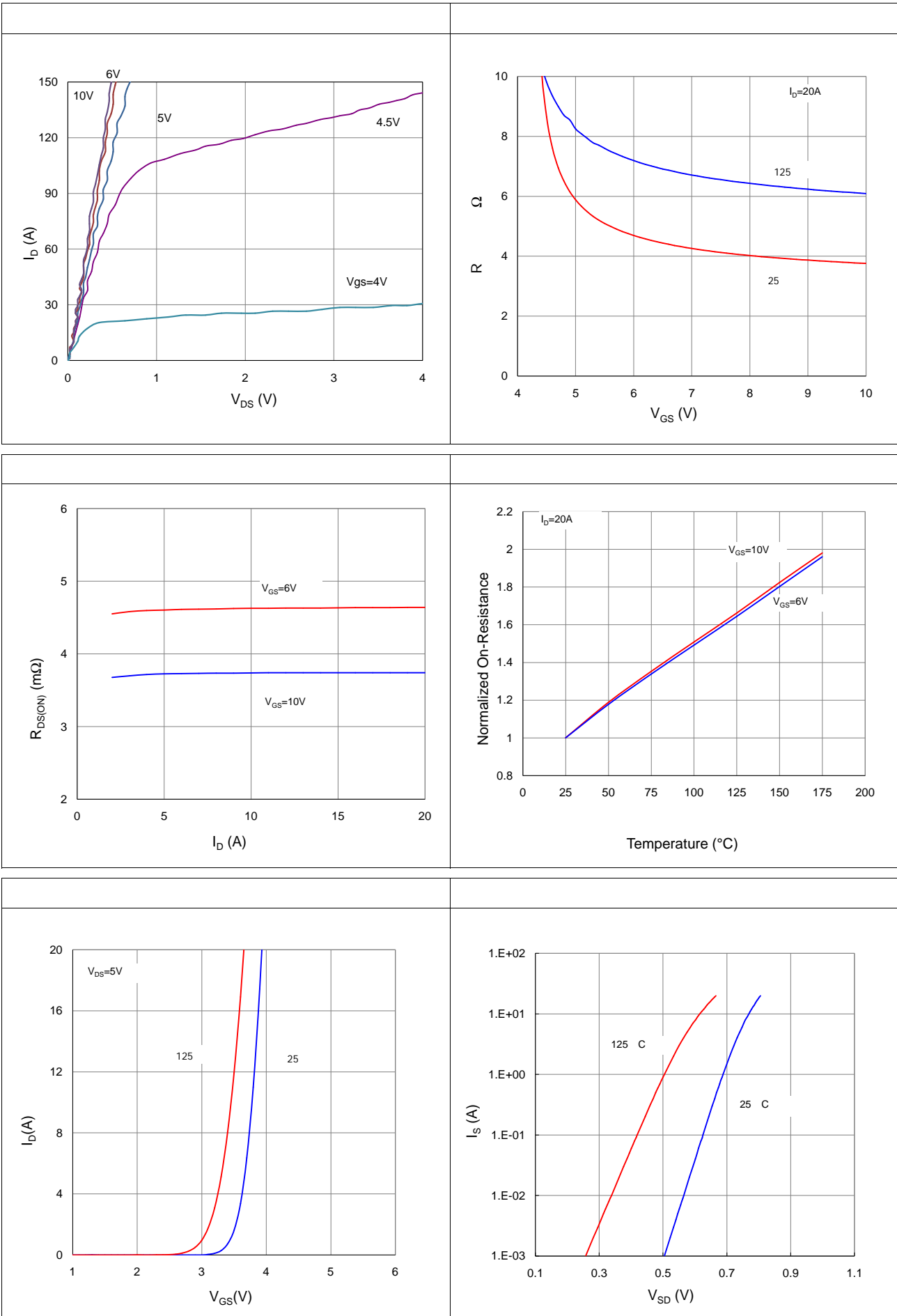
			Value	Unit
$I_D$	$T_C$		161	A
	$T_C$		114	
$V_{DS}$	-		100	V
$V_{GS}$	-		$\pm 20$	V
$I_{DM}$	-		450	A
$I_{AS}$	L=0.1mH, $T_C$		180	mJ
$P_D$	$T_C$		214	W
$T_J, T_{stg}$	-		-55 to 175	

### Absolute Maximum Ratings

		Max	Unit
	R	0.7	
	R	60	



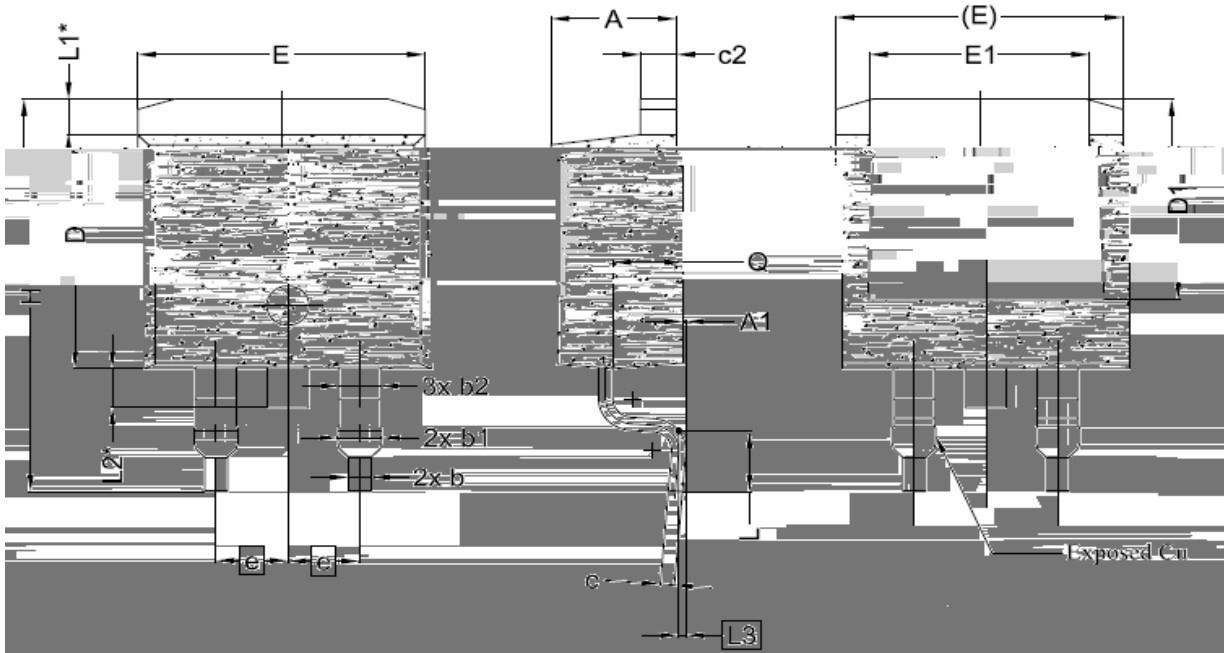
V	$V_{GS}=0V, I_D=250\mu A$	100	-	-
V	$V_{GS}=V_{DS}, I_D=250\mu A$	2	3	4
		-	-	1
$I_{DSS}$	$V_{GS}=0V, V_{DS}=100V, T_j$	-	-	100
		-	-	$\pm 100$
9M 0 5 .806	$T_{90} 0.4 10 5 20 5 10 4 6 10 0 4 8 2 0 20 4 T_{90}$	3.0	1	3.0
R	$V_{GS}=10V, I_D=20A$	-	3.7	4.2 m $\Omega$
g			70	-
				-
			13	-
			52	-











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