

Features

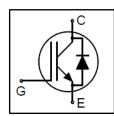
- Low V_{CE(sat)}
- Fast Switching
- High Ruggedness
- Short-Circuit Rated

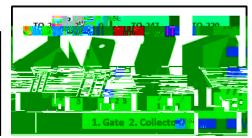


Product Summary			
Vœs	600V		
I _C	25A		
V _{CE(sat),typ.}	1.5V (T _J =25°C)		
Package	JHB25N60E: TO-263 JHG25N60E: TO-220MF JHH25N60E: TO-247 JHP25N60E: TO-220		

Applications

- Motor Control
- Servo
- Home Appliances
- General Purpose Inverters





Ordering Information

Part Number	Marking	Package	Packing
JHB25N60Œ	HB25N60⊞	TO-263	Tube
JHB25N60EE_R	HB25N60⊞	TO-263	Tape and reel
JHG25N60EE	HG25N60Œ	TO-220MF	Tube
JHH25N60EE	HH25N60Œ	TO-247	Tube
JHP25N60Œ	HP25N60Œ	TO-220	Tube



Typical Electrical Characteristics

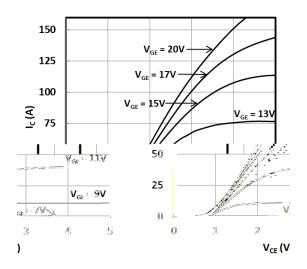


Fig. 1 Typical output characteristics $(T_J = 25 \, ^{\circ}\text{C}, t_p = 250 \, \mu\text{s})$

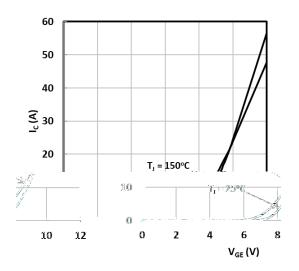


Fig. 3 Typical transfer characteristics $(V_{CE}=10 \text{ V}, t_p=250 \text{ }\mu\text{s})$

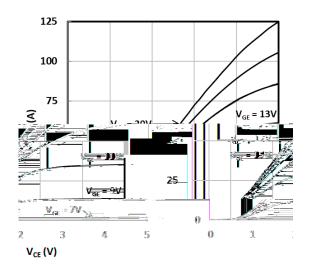


Fig. 2 Typical output characteristics $(T_J = 150 \, ^{\circ}\text{C}, t_p = 250 \, \mu\text{s})$

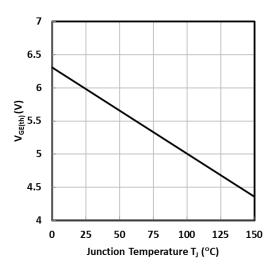
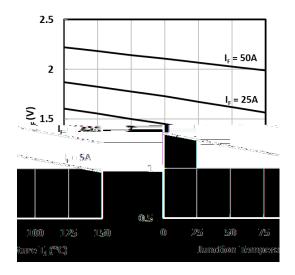


Fig. 4 Typical gate threshold voltage as a function of junction temperature $(V_{CE} = V_{CE}, I_{CE} = 250 \,\mu\text{A})$





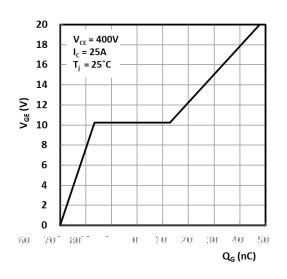


Fig. 9 Typical diode forward voltage as a function of junction temperature

$$(V_{GE} = 0 \text{ V}, t_p = 250 \mu\text{s})$$



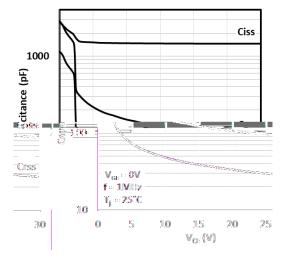
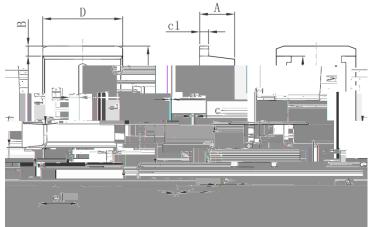


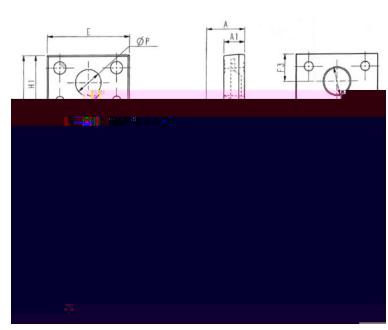
Fig. 11 Typical capacitance as a function of collector-to-emitter voltage

Package Drawing



Symbol	Dimensions In Millimeters		
Symbol	Min.		Max. 💳
A ===	4.470 -	=	4.670 — —
A1.	0.000 =		ი 150
_ ∥II B	1012	0	1.420
Ð.	0.74	10===	0:910
1.370	p1 I	1 1	.170 · · · · ·
0 -5 30	C:	0	.310 … 🙃
1370	c1 III	1	170
10-3-10-	D	1	0:010====
8-900	E	8	5 500 ====
₽.====	e 		2-540=TY
5.180	e-1	4	980 ——
15:500	[1-	4.940=
5-450=	L1 —	4	950=
2.740	L2:	2	340
1.700	L3 :	1	.300
°-	= 🗈 👇		-Ni
888 FT_ II	V =		J:0000 ⊀==5

TO-263



CVMDOI	MM		
SYMBOL	MIN	NOM	MAX
E	9.96	10.16	10.36
A	4. 50	4.70	4.90
A1	2. 34	2.54	2.74
A2	Casio	2 5ma	0.60
A4	2. 56	2. 76	2. 96
С	0.40	0.50	0.65
cl	1. 20	1. 30	1. 35
D	15. 57	15. 87	16. 17
H1	6. 70REF		
е	2. 54BSC		
L	12.68	12.98	13. 28
L1	3. 03	3. 23	3. 43
ФΡ	3. 03	3.18	3. 38
Ф Р3	3. 15	3. 45	3. 65
F3	3. 15	3. 30	3. 45
G3	1. 25	1.35	1.55
bl	1.18	1.28	1.43
b2	0.70	6.80	0.95

TO-220MF



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