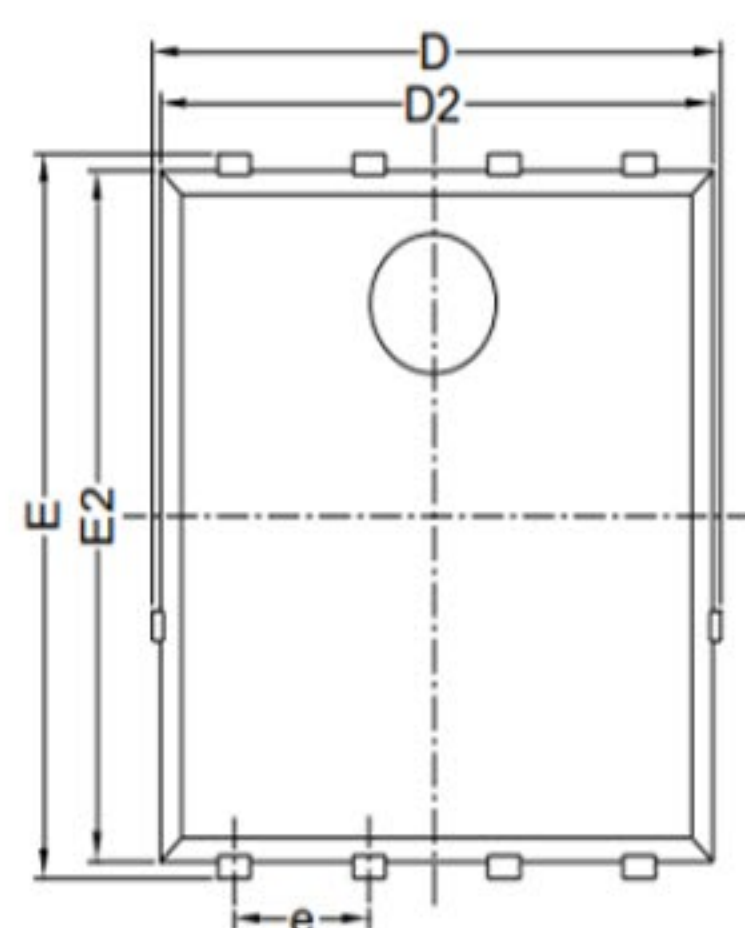
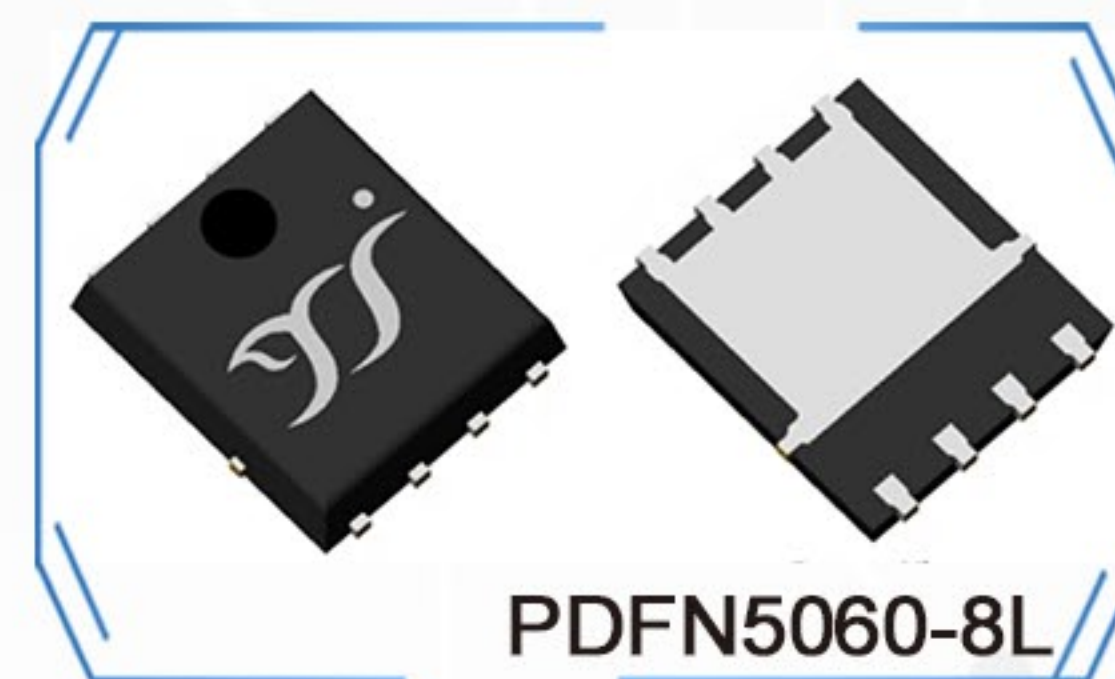


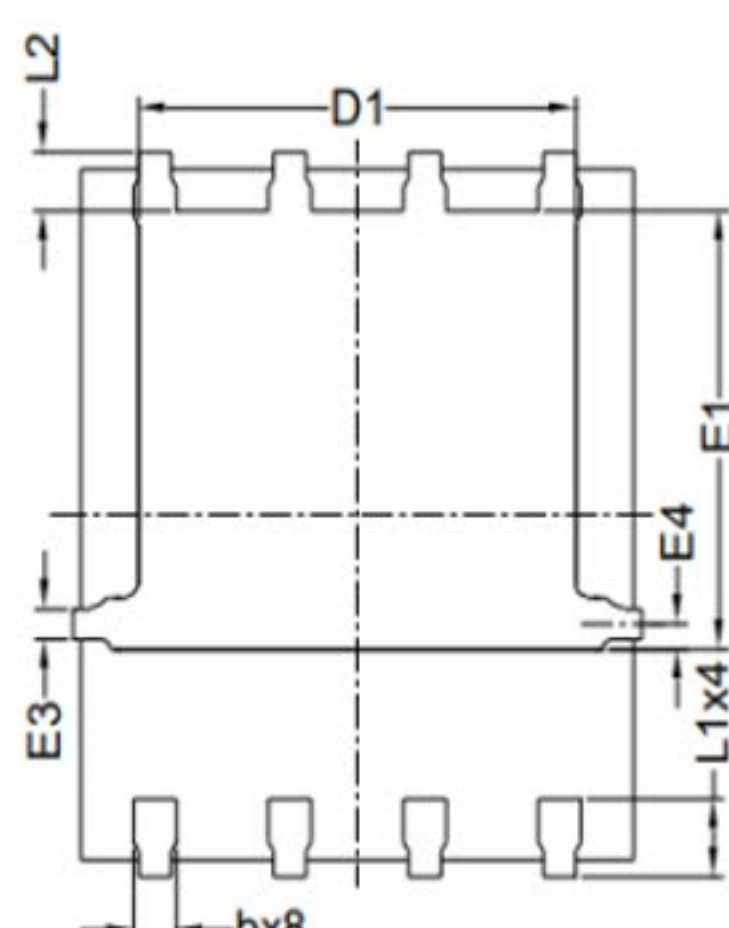
N40V SGT MOSFETs For Sweeper

Product Introduction

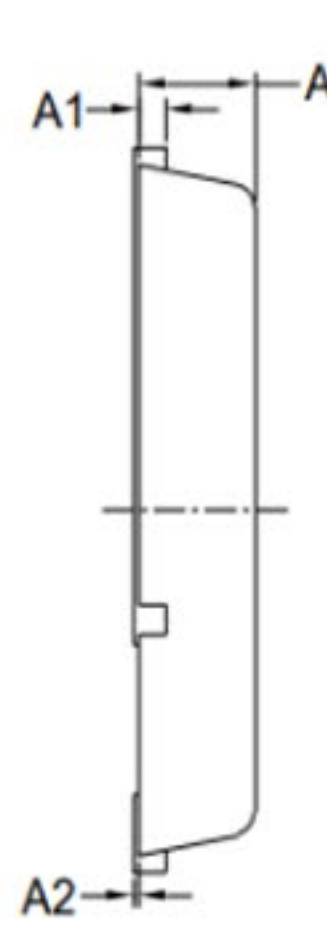
1. The product adopts PDFN5060-8L package, which is more suitable for compact design than TO252 package;
2. The product has the characteristics of strong over-current capability, low thermal resistance and wider range of SOA;
3. Suitable for motor drive applications;
4. Special design for body diode, with better EMI characteristics.



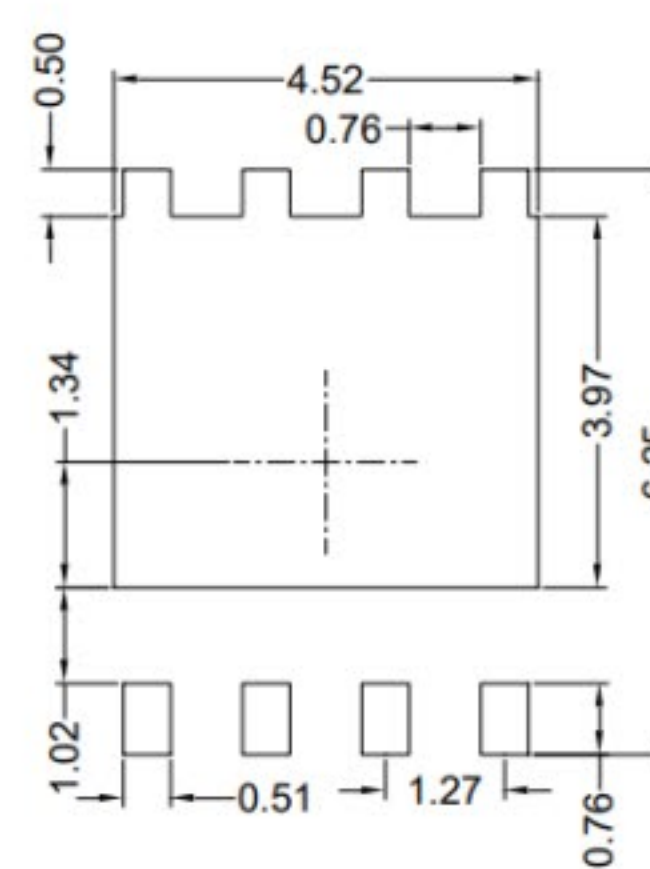
Top View
正面视图



Bottom View
背面视图



Side View
侧面视图



Suggested Solder Pad Layout
Top View

SYMBOL	MILLIMETER		
	MIN	NOM	MAX
D	5.15	5.35	5.55
E	5.95	6.15	6.35
A	1.00	1.10	1.20
A1	0.254 BSC		
A2			0.10
D1	3.92	4.12	4.32
E1	3.52	3.72	3.92
D2	5.00	5.20	5.40
E2	5.66	5.86	6.06
E3	0.254 REF		
E4	0.21 REF		
L1	0.56	0.66	0.76
L2	0.50 BSC		
b	0.31	0.41	0.51
e	1.27 BSC		

Note:
1. Controlling dimension: in millimeters.
2. General tolerance: ± 0.10 mm.
3. The pad layout is for reference purposes only.

Electrical Parameters

P/N	Package	Vds (V)	ID (A)	Vth (V) typ.	Rds10V (mohm) typ.	Rds10V (mohm) max.	Qg10V (nC) typ.	N/P	Tj (°C)
YJG80G04B	PDFN5060-8L	40	80	3.0	2.0	2.6	87	N	-55~+150

Please Refer To The Official Website For More Details

Application



■ Sweeper