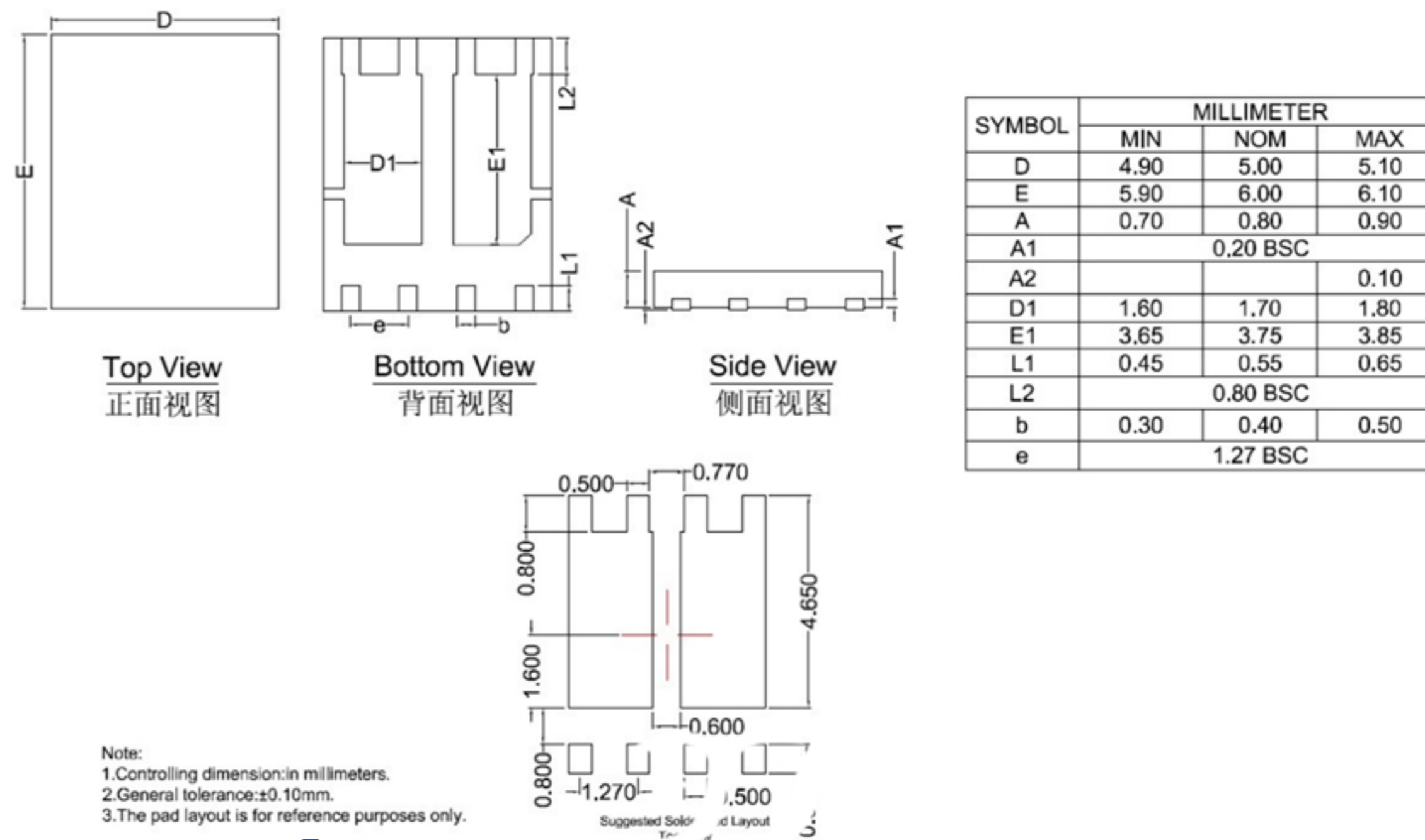


## N/P COMPLEMENTARY DUAL MOSFET

### Product Introduction

1. The product is DFN5060-8LN+P dual-core frame sealing package. Compared with DFN3333 (3.3X3.3mm) package, which have better heat dissipation capacity, stronger output power and current. It's more suitable for fans with higher power requirements;
2. The product has the characteristics of strong over-current capability, lower thermal resistance and a wider range of SOA;
3. NMOS and PMOS are sealed to simplify the bridge structure while retaining the flexibility of engineers' application;
4. The Vds can withstand voltages of 30V, 60V, and 100V respectively. It applies to the 12V, 24V, and 48V fan systems.

#### ■ DFN5x6-8L Package Information



### Electrical Parameters

Product	Configuration	Type	V <sub>DSS</sub> (V)	I <sub>D</sub> (A)	P <sub>d</sub> (W)	V <sub>GS</sub> (V)	V <sub>th</sub> (V)			R <sub>dson</sub> (mΩ) @V <sub>GS</sub> 10V		R <sub>dson</sub> (mΩ) @V <sub>GS</sub> 4.5V		C <sub>iss</sub> (pF)	C <sub>oss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> (nC)	Package
							Min	Typ	Max	Typ	Max	Typ	Max	Typ	Typ	Typ	Typ	
							YJG40NP03A	Dual	N/P	30 -30	40 -40	21 35	±20 ±25	1 -1.2	1.5 -1.8	2.5 -2.8	8 13	
YJG20NP06A	Dual	N/P	60 -60	20 -20	35 50	±20	1 -1.3	1.5 -1.9	2.5 -2.5	24 35	30 45	28 49	40 65	1180 1060	70 400	60 20	26 18.7	DFN5060
YJG10NP10A	Dual	N/P	100 -100	10 -18	30 72	±20	1.1 -1	1.8 -1.8	3 -2.5	90 88	110 110	95 95	120 120	900 1050	35 120	30 25	16 20	DFN5060

For more details, please refer to the official website

### Application

- Direct(DC) Fan
- Energy saving(ES) Fan
- Thin centrifugal fan
- Fan array
- Hot insertion Fan
- Fan module

