

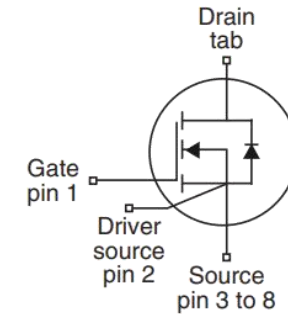
E SERIES POWER MOSFET IN TOLL PACKAGE

Product Benefits

- 4th generation E series technology
- Low figure-of-merit (FOM) $R_{on} \times Q_g$
- Low effective capacitance ($C_{o(er)}$)
- Reduced switching and conduction losses
- Avalanche energy rated (UIS)

Market Applications

- Server and telecom power supplies
- Switch mode power supplies (SMPS)
- Power factor correction power supplies (PFC)
- Lighting - High-intensity discharge (HID) - Fluorescent ballast lighting
- Industrial - Welding - Induction heating - Motor drives - Battery chargers - Solar (PV inverters)



N-Channel MOSFET

	$R_{DS(on)}$ (max.)	Q_g (typ.)	Q_{gd} (typ.)	Q_{gs} (typ.)
SiHK045N60E	49 m Ω	65 nC	14 nC	28 nC
Competitor	50 m Ω	68 nC	24 nC	13 nC