

E SERIES POWER MOSFETs in PowerPAK[®] 10x12

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)

FEATURES

- 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)



Series	Configuration	Package	Ch	VDS (V)	VGS (V)	RDS(on)@10V (Ω)	Qg @10V (nC)	Qgs (nC)	Qgd (nC)	ID Max. (A)	PD Max. (W)	VGS(th) Min. (V)	Rg Typ. (Ω)
SiHK045N60E	Single	PowerPAK 10 x 12	N	600	30	0,049	65	28	14	48	278	3	0,8
SiHK055N60E	Single	PowerPAK 10 x 12	N	600	30	0,056	54	26	11	42	236	3	0,8
SiHK055N60EF	Single	PowerPAK 10 x 12	N	600	30	0,058	60	26	14	40	236	3	0,7
SiHK065N60E	Single	PowerPAK 10 x 12	N	600	30	0,068	48	19	11	34	192	3	0,8
SiHK075N60E	Single	PowerPAK 10 x 12	N	600	30	0,08	41	17	9	29	167	3	0,8
SiHK075N60EF	Single	PowerPAK 10 x 12	N	600	30	0,071	48	20	11	33	192	3	0,7
SiHK125N60E	Single	PowerPAK 10 x 12	N	600	30	0,125	29	13	6	21	132	3	0,8
SiHK185N60E	Single	PowerPAK 10 x 12	N	600	30	0,185	22	7	11	19	114	3	0,7



Source: www.vishay.com