



α MOS5™ HV Super Junction MOSFET for High-Efficiency High Density SMPS

- Well-balanced Super Junction Technology for Efficiency, Density and Ease-of-use
- Tunable for both Fast and Slow Switching Applications
- High UIS Ratings for Avalanche Ruggedness
- Hard Commutation Robustness

DPAK



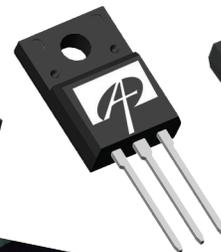
DFN 5x6



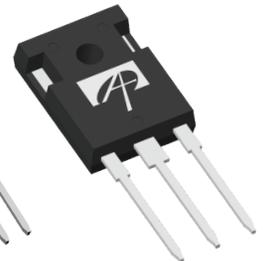
DFN 8x8



TO220F



TO-247



α MOS5™ HV
MOSFETs

Features

- Low on-state resistance with α MOS5™ HV technology
- Optimized switching performance
- Versatile device for both hard switching and soft switching
- Suppressed switching noise
- High reliability
- Easy-to-design
- DFN 5x6, DFN 8x8 and TOLL products

Product Selection Table

Part Number	V _{DS} (V)	V _{GS} (V)	R _{DS(ON)} @ 10V _{GS} (mΩ max)	Package
AOK040A60	600	20	40	TO-247
AOK042A60FD	600	20	42	TO-247
AOK065A60	600	20	65	TO-247
AOK065A60FD	600	20	65	TO-247
AOK095A60	600	20	95	TO-247
AOTF125A60L	600	20	125	TO-220F
AOTF160A60L	600	20	160	TO-220F
AOTF190A60CL	600	20	190	TO-220F
AOD280A60	600	20	280	TO-252
AOD380A60C	600	20	380	TO-252
AOD360A70	700	20	360	TO-252
AOD600A70R	700	20	600	TO-252
AONV110A60	600	20	110	DFN 8x8
AONV140A60	600	20	140	DFN 8x8
AONV180A60	600	20	180	DFN 8x8
AONV210A60	600	20	210	DFN 8x8
AONS520A70	700	20	520	DFN 5x6F
AONS660A70F	700	20	660	DFN 5x6F
AONS1R1A70	700	20	1100	DFN 5x6F

Applications

- Server Power Supplies
- ATX Power Supplies
- PD Universal Adapters/Chargers
- Telecom Rectifiers
- Solar Inverters
- Industrial Power (Open-frame and DIN Rail)
- EV DC Fast Charging
- Motor Drives



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Powering a Greener Future™