

Think Fast | IXYS Q3-Class HiPerFET MOSFETs: Fast. Reliable. Energy-Efficient.



Features:

- International standard packages
- Avalanche rated
- Low Intrinsic Gate Resistance
- Low Package Inductance
- Fast Intrinsic Rectifier
- Low RDS(on) and Qg

Applications:

- DC-DC Converters
- Battery Chargers
- Switch-Mode and Resonant-Mode Power Supplies
- DC Choppers
- Motor Controls
- Solar Inverters

Part Number	V _{DSS} (max)	I _D TC=25°C	R _{ds(on)} max TJ=25°C	C _{iss} (typ)	Q _g (typ)	t _{rr} (max)	p _d	R _{thJC} (max)	Package Type
IXFH70N20Q3	200V	70A	0.040Ω	3150pF	67nC	250ns	690W	0.18°C/W	TO-247
IXFT50N30Q3	300V	50A	0.080Ω	3160pF	65nC	250ns	690W	0.18°C/W	TO-268
IXFB100N50Q3	500V	100A	0.049Ω	13800pF	255nC	250ns	1560W	0.08°C/W	PLUS264
IXFR48N60Q3	600V	32A	0.154Ω	7020pF	140nC	300ns	500W	0.25°C/W	ISOPLUS247
IXFN62N80Q3	800V	49A	0.14Ω	13600pF	270nC	300ns	960W	0.13°C/W	SOT-227
IXFB44N100Q3	1000V	44A	0.22Ω	13600pF	264nC	300ns	1560W	0.08°C/W	PLUS264

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Efficiency Through Technology

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