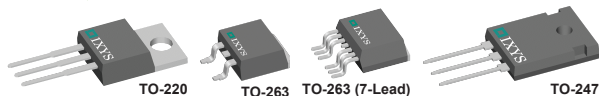


40V High-Current TrenchT4™ Power MOSFETs

Ideal for synchronous rectification applications



FEATURES

- Ultra low on-resistance $R_{DS(on)}$
- High current handling capability
- Avalanche rated
- 175°C operating temperature
- International standard packages

ADVANTAGES

- High power density
- Easy to mount
- Space savings



APPLICATIONS

- Synchronous rectification
- High current switching power supplies
- Battery powered electric motors
- Resonant-mode power supplies
- Electronic ballasts
- Class D audio amplifiers
- Electric forklifts
- Cordless power tools



Part Number	V_{DS} (V)	I_{D25} $T_c = 25^\circ\text{C}$ (A)	$R_{DS(on)}$ max $T_j = 25^\circ\text{C}$ (m Ω)	$Q_{g(typ)}$ (nC)	C_{iss} typ (pF)	t_{rr} typ (ns)	$R_{th(jc)}$ max ($^\circ\text{C}/\text{W}$)	P_o max (W)	Package Type
IXTA270N04T4	40	270	2.2	182	9140	48	0.4	375	TO-263
IXTA270N04T4-7	40	270	2.2	182	9140	48	0.4	375	TO-263 (7-Lead)
IXTH270N04T4	40	270	2.4	182	9140	48	0.4	375	TO-247
IIXTP270N04T4	40	270	2.4	182	9140	48	0.4	375	TO-220
IXTA340N04T4	40	340	1.7	256	13000	43	0.31	480	TO-263
IXTA340N04T4-7	40	340	1.7	256	13000	43	0.31	480	TO-263 (7-Lead)
IXTH340N04T4	40	340	1.9	256	13000	43	0.31	480	TO-247
IIXTP340N04T4	40	340	1.9	256	13000	43	0.31	480	TO-220

IXYS POWER
Efficiency Through Technology

EUROPE
IXYS GmbH
marcom@ixys.de
+49 (0) 6206-503-249

USA
IXYS Power
sales@ixys.com
+1 408-457-9042

ASIA
IXYS Taiwan/IXYS Korea
sales@ixys.com.tw
sales@ixyskorea.com



www.ixys.com