

Fast-recovery Super-junction MOSFET

- UTC has launched a series of super-junction MOSFETs with fast body diodes. The MOSFET with reduced reverse recovery charge (Q_{RR}) can improve circuit efficiency, restrain temperature rise, and providing reliable performance for power applications.

Part NO.	V_{DS}	I_D	$R_{DS(ON)}$ Max.	T_{RR} Typ.	Q_{RR} Typ.	Package
F21NM50	500V	21A	0.23 Ω	204ns	3.2 μ C	TO-247
F24NM60	600V	24A	0.16 Ω	290ns	3.5 μ C	TO-247 TO-263 TO-220 TO-220F1
F30NM60	600V	30A	0.13 Ω	190ns	2.8 μ C	TO-220 TO-263 TO-220F1 TO-247 DFN8080-4
F75NM60Z	600V	75A	46 m Ω	205ns	1.4 μ C	TO-247
F80NM60Z	600V	80A	35 m Ω	397ns	3.2 μ C	TO-247
F7NM65	650V	7A	0.9 Ω	120ns	0.45 μ C	TO-252 DFN8080-4
F9NM65	650V	9A	0.58 Ω	110ns	0.43 μ C	TO-252
F15NM65-U2	650V	15A	0.4 Ω	244ns	5.0 μ C	TO-220F TO-220F1 TO-220F
F18NM65	650V	18A	0.32 Ω	200ns	3.2 μ C	TO-220F1 TO-220F2 DFN8080-4
F21NM65	650V	21A	0.22 Ω	170ns	2.4 μ C	TO-220 TO-220F TO-220F1 TO-220F2 DFN8080-4
F30NM65	650V	30A	0.15 Ω	232ns	2.1 μ C	TO-220 TO-220F1 TO-247 TO-263 TOLL-8B DFN8080-4
F65NM65	650V	60A	60 m Ω	176ns	1.2 μ C	TOLL-8B
F75NM65Z	650V	75A	46 m Ω	205ns	1.4 μ C	TO-247 TO-247-4
F80NM65Z	650V	80A	35 m Ω	397ns	3.2 μ C	TO-247 TO-247-4
F18NM70	700V	18A	0.35 Ω	145ns	1.65 μ C	TO-220F1 TO-220F2
F21NM70	700V	21A	0.25 Ω	123ns	1.2 μ C	TO-220F1 TO-220F2
F11NM90-Q	900V	11A	0.92 Ω	220ns	1.8 μ C	TO-252
F50NM90-Q	900V	50A	0.13 Ω	280ns	2.85 μ C	TO-252

