

24NM65

Power MOSFET

24A, 650V N-CHANNEL SUPER-JUNCTION MOSFET

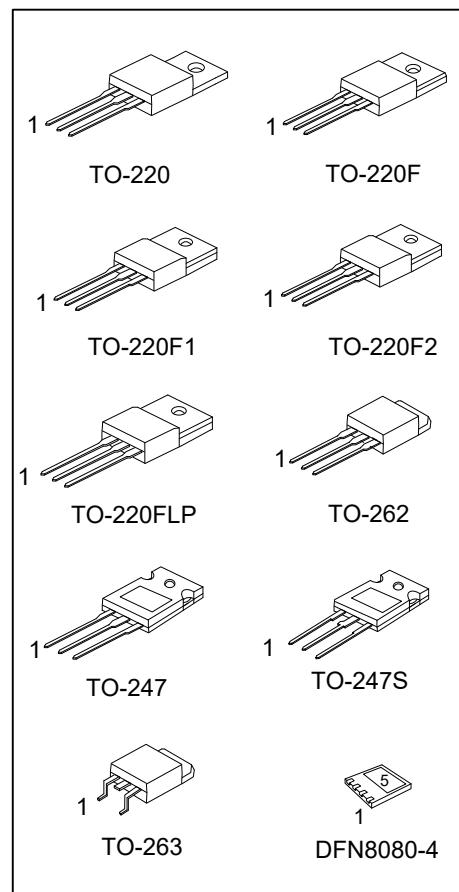
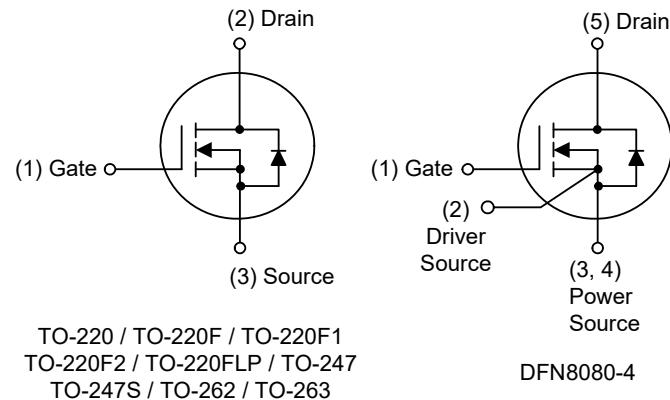
■ DESCRIPTION

The **UTC 24NM65** is a Super Junction MOSFET Structure and is designed to have better characteristics, such as fast switching time, low gate charge, low on-state resistance and a high rugged avalanche characteristics. This power MOSFET is usually used at AC-DC converters for power applications.

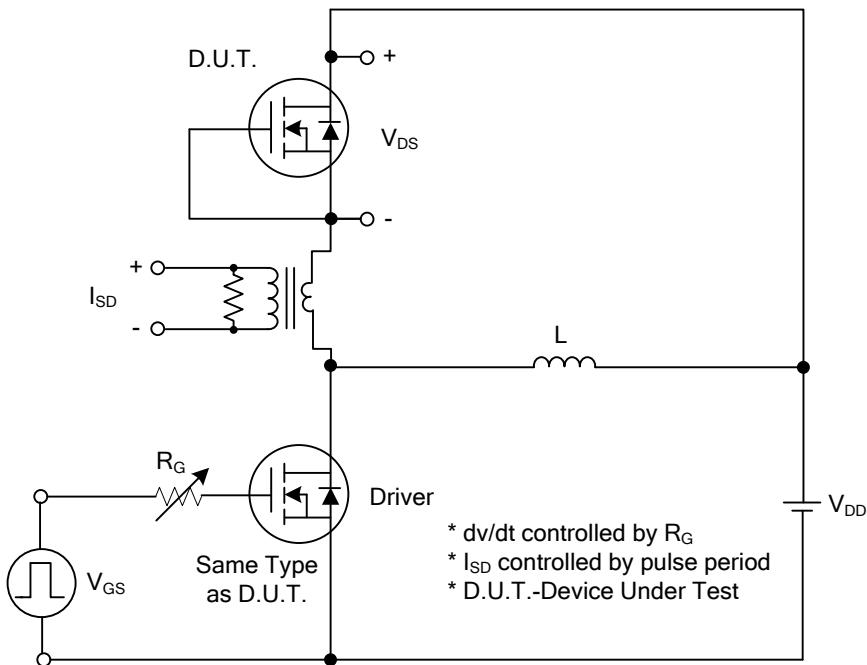
■ FEATURES

- * For TO-220 / TO-220F / TO-220F1 / TO-220F2
TO-220FLP / TO-247 / TO-247S / TO-262 / TO-263
 $R_{DS(ON)} \leq 0.16 \Omega$ @ $V_{GS}=10V$, $I_D=12A$
- For DFN8080-4
 $R_{DS(ON)} \leq 0.18 \Omega$ @ $V_{GS}=10V$, $I_D=12A$
- * High Switching Speed
- * 100% Avalanche Tested

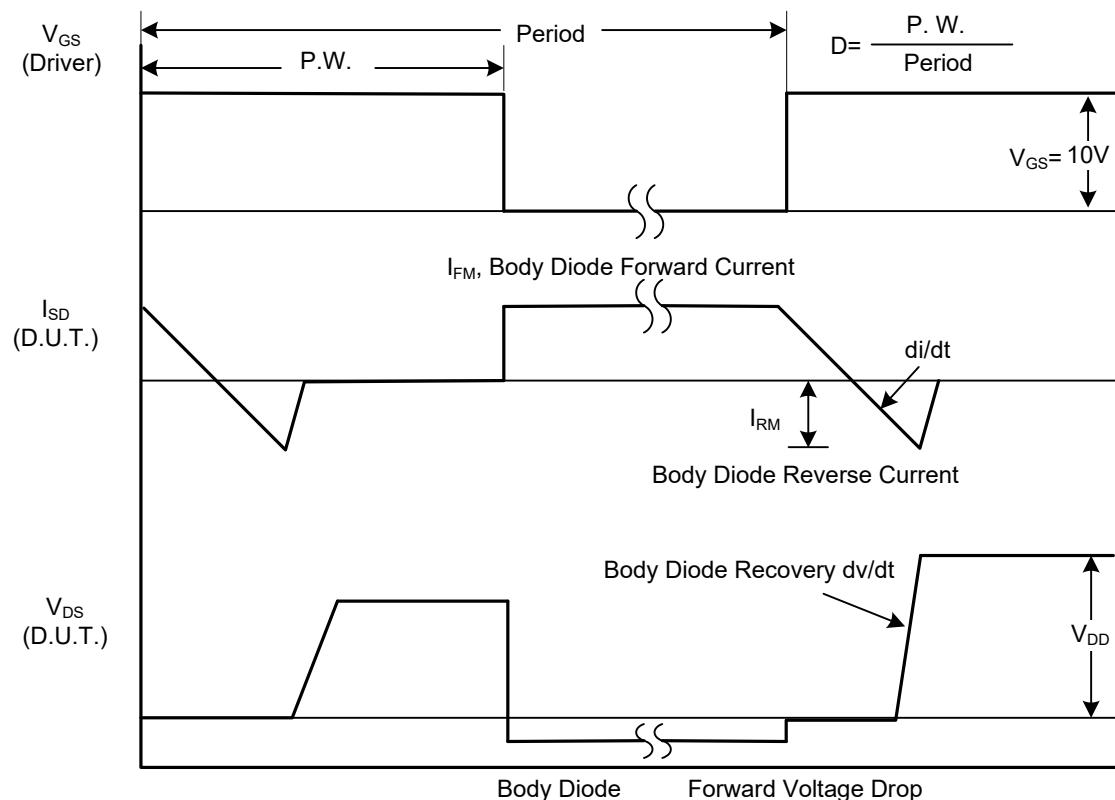
■ SYMBOL



■ TEST CIRCUITS AND WAVEFORMS

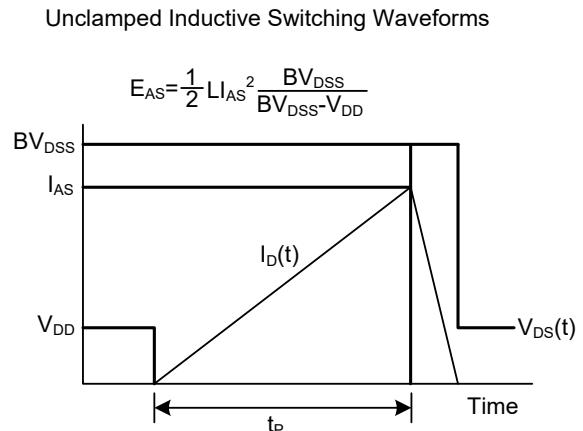
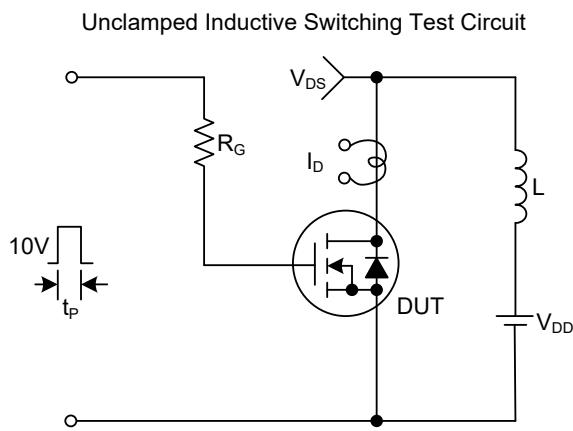
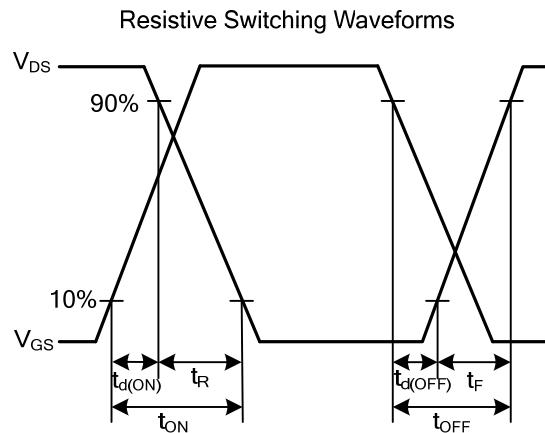
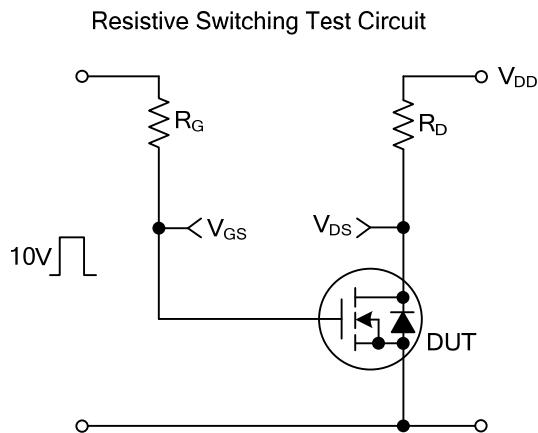
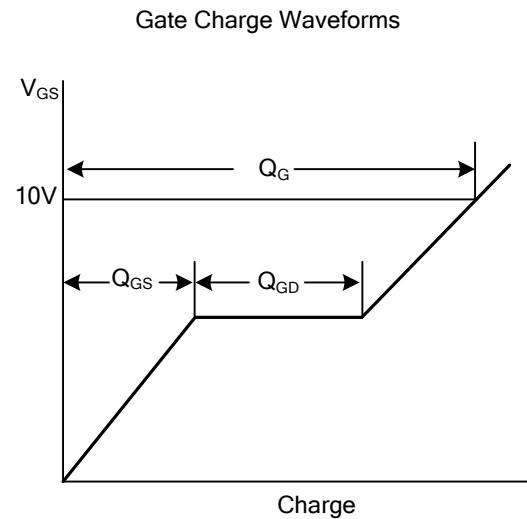
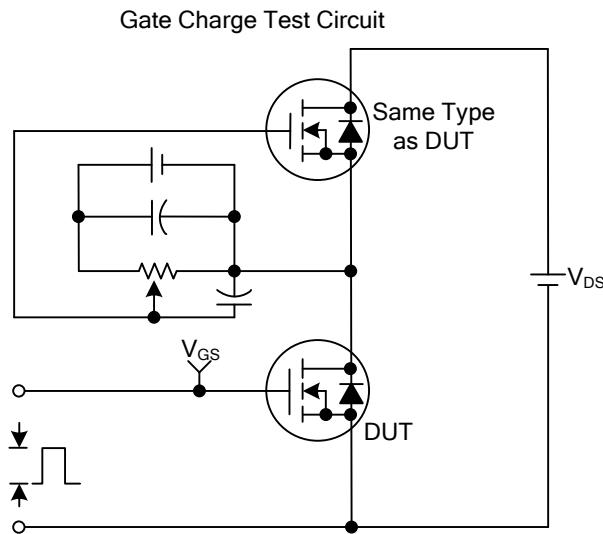


Peak Diode Recovery dv/dt Test Circuit

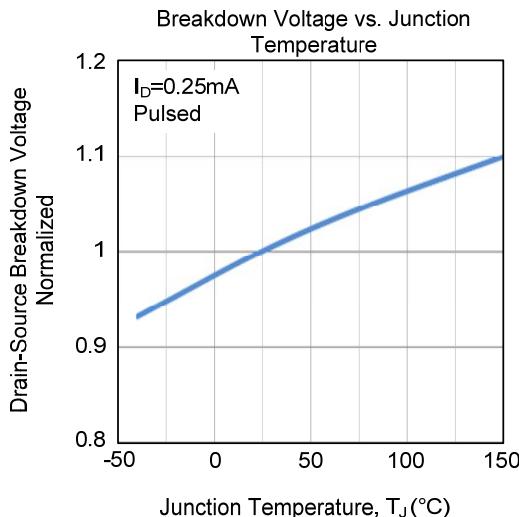
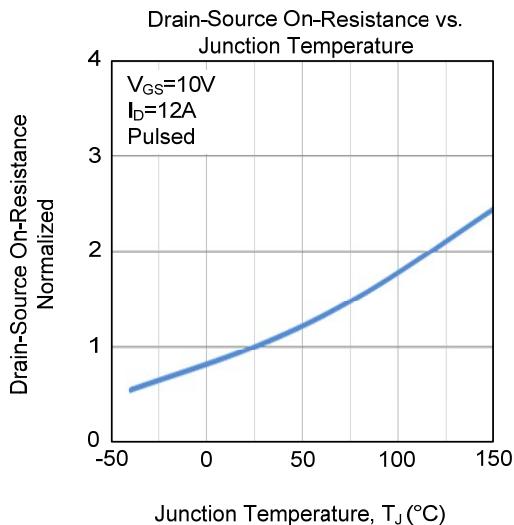
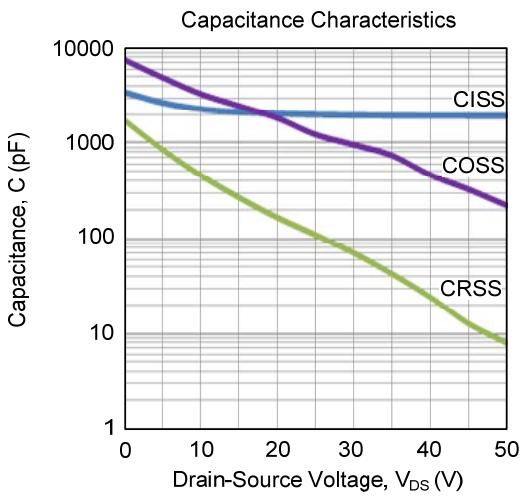
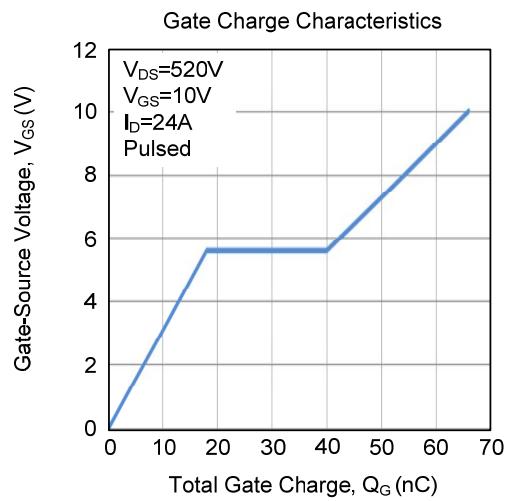
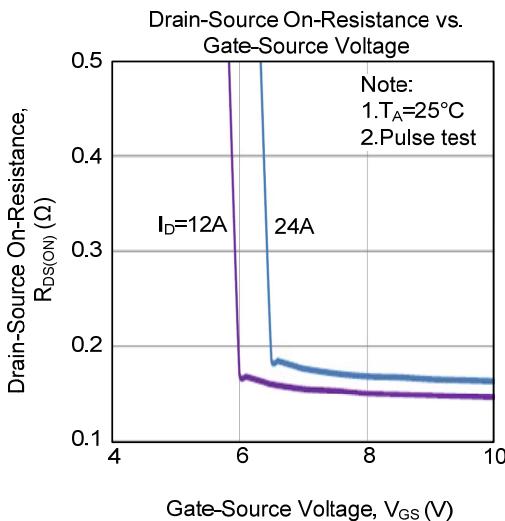
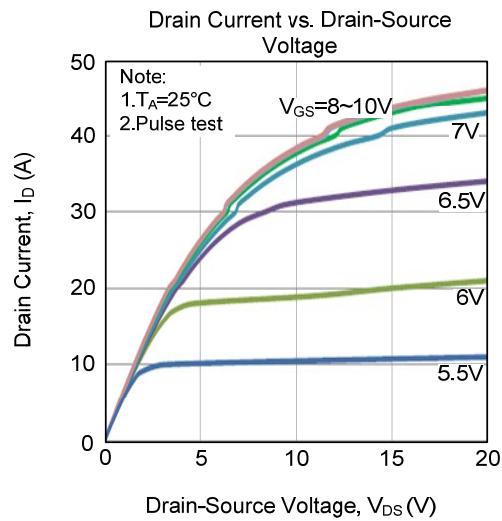


Peak Diode Recovery dv/dt Waveforms

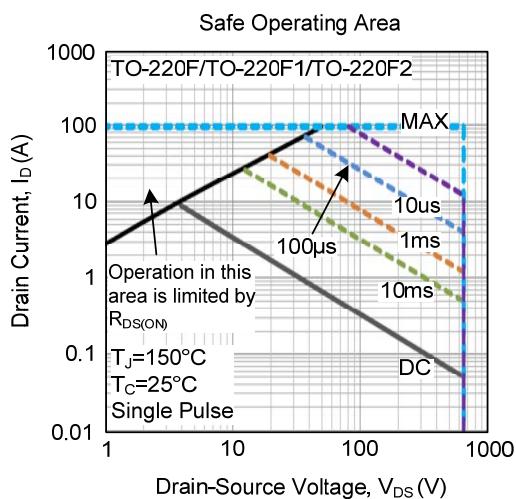
■ TEST CIRCUITS AND WAVEFORMS



■ TYPICAL CHARACTERISTICS



- TYPICAL CHARACTERISTICS (Cont.)



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