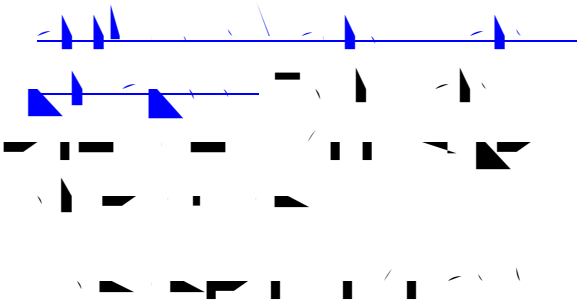


Features

- Typ. $R_{DS(on)}$ = 20 mΩ @ V_{GS} = 15 V
  Typ. $R_{DS(on)}$ = 16 mΩ @ V_{GS} = 18 V
- Ultra Low Gate Charge ($Q_{G(tot)}$ = 196 nC)
- Low Effective Output Capacitance (C_{oss} = 296 pF)
- 100% UIL Tested
- This Device is Halide Free and RoHS Compliant with exemption 7a,
  Pb Free 2LI (on second level interconnection)

Typical Applications

- UPS
- DC-DC Converter
- Boost Inverter

MAXIMUM RATINGS (T_J = 25°C unless otherwise noted)

Parameter		Symbol	Value	Unit
Drain−to−Source Voltage		V_{DSS}	900	V
Gate−to−Source Voltage		V_{GS}	+22/−8	V
Recommended Operation Values of Gate−Source Voltage	T_C < 175°C	V_{GSop}	+15/−5	V

Continuous Drain
9a899d2= 964 657n5.402 415.729 45M57n5.40S1 415..9213 .911 T5.40S2 0 9 399.0047 2.7 96465(ON(18 22 8 283TO 0 9 39D0 Tc87566/TT4 1 Tf.<00ef

Table 1. THERMAL CHARACTERISTICS

Parameter	Symbol	Max	Unit
Thermal Resistance Junction−to−Case (Note 1)	$R_{\theta JC}$	0.31	°C/W

Table 2. ELECTRICAL CHARACTERISTICS (T_J = 25°C unless otherwise stated) (continued)

Parameter	Max	Unit

TYPICAL CHARACTERISTICS (continued)

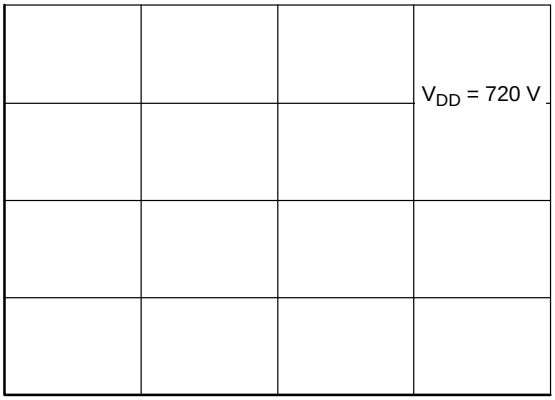


Figure 7. Gate−to−Source Voltage vs. Total Charge

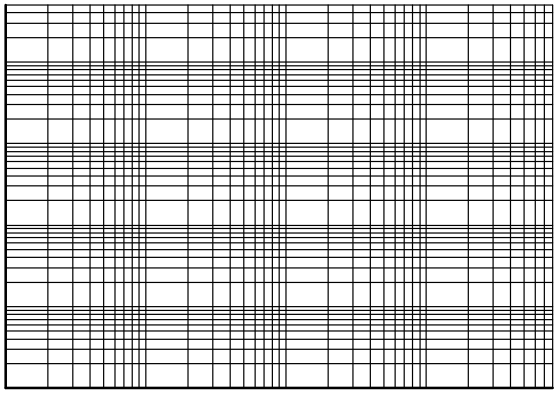
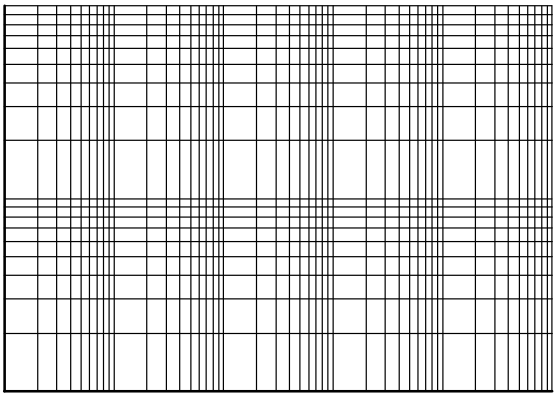
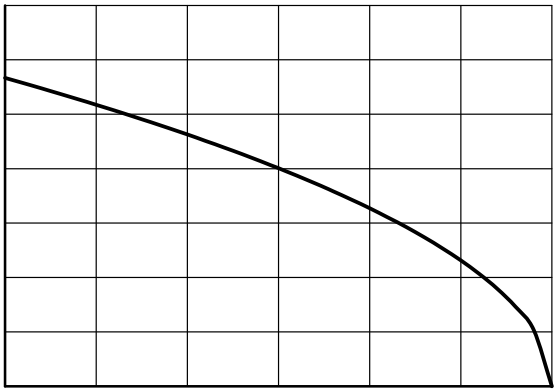
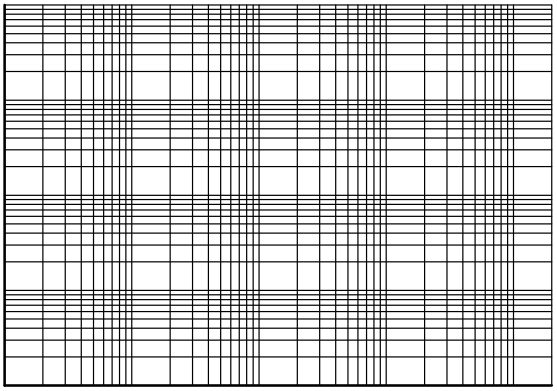
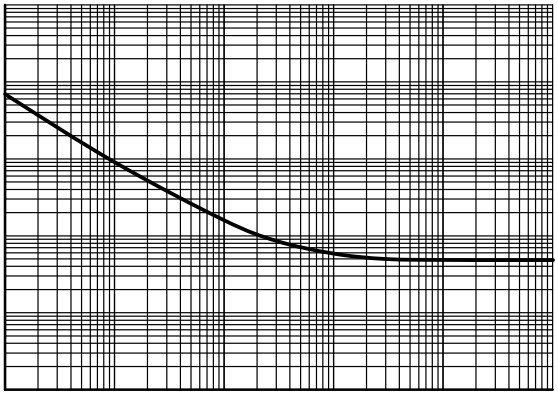


Figure 8. Capacitance vs. Drain−to−Source Voltage









TO−247−4LD
CASE 340CJ
ISSUE A

DATE 16 SEP 2019