

Table 1. THERMAL RESISTANCE MAXIMUM RATINGS

Parameter	Symbol	Max	Unit
Junction-to-Case - Steady State (Note 2)		1.35	°C/W
Junction-to-Ambient - Steady State (Notes 1, 2)	$R_{\theta JA}$	40	

Table 2. ELECTRICAL CHARACTERISTICS ($T_J = 25^{\circ}C$ unless otherwise specified)

Parameter	Symbol	Test Condition		Min	Тур	Max	Unit
OFF CHARACTERISTICS							
Drain-to-Source Breakdown Voltage	V _{(BR)DSS}	V _{GS} = 0 V, I _D = 1 mA		1200	-	-	V
Drain-to-Source Breakdown Voltage Temperature Coefficient	V _{(BR)DSS} /T _J	I _D = 1 mA, referenced to 25°C		_	0.6	_	V/°C
Zero Gate Voltage Drain Current	I _{DSS}	V _{GS} = 0 V, V _{DS} = 1200 V	T _J = 25°C	_	-	100	μΑ
			T _J = 175°C	-	-	1	mA
Gate-to-Source Leakage Current	I _{GSS}	$V_{GS} = +25/- = +25/$	•	.	-"	-	•

 $\textbf{Table 2. ELECTRICAL CHARACTERISTICS} \ (T_J = 25^{\circ}\text{C unless otherwise specified}) \ (continued)$

Parameter	Symbol	Test Condition	Min	Тур	Max	Unit
DRAIN-SOURCE DIODE CHARACTERISTICS						
Reverse Recovery Energy	E _{REC}	$V_{GS} = -5/20 \text{ V}, I_{SD} = 16 \text{ A},$ $dI_S/dt = 1000 \text{ A}/\mu\text{s}$	-	3.9	_	μJ
Peak Reverse Recovery Current	I _{RRM}	dis/at = 1000 A/μs	-	6.6	-	Α
Charge Time	Та]	-	7.0	-	ns
Discharge Time	Tb		-	7.4	-	ns

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

TO-247-4LD CASE 340CJ ISSUE A

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Α В Øp1 D2 Α E E1 **A2** Q E/2 D1 D Ø L1 b2 **A1** b1 (3X) Ĺ 1 4 С b(4X) e1 e 2X ⊕ 0.254 M B A M

