

Table 1. THERMAL CHARACTERISTICS

Parameter	Symbol	Мах	Unit
Thermal Resistance Junction-to-Case (Note 1)	$R_{ extsf{ heta}JC}$	0.31	°C/W
Thermal Resistance Junction-to-Ambient (Note 1)	R _{θJA}	40	°C/W

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

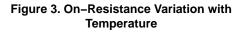
Parameter	Symbol	Test C	Min	Тур	Max	Unit	
OFF CHARACTERISTICS							
Drain-to-Source Breakdown Voltage	V _{(BR)DSS}	$V_{GS} = 0 \text{ V}, I_{D} = 1 \text{ mA}$		900			V
Drain-to-Source Breakdown Voltage Temperature Coefficient	V _{(BR)DSS} /T _J	$I_D = 1 \text{ mA}$, refer to 25°C			500		mV/°C
Zero Gate Voltage Drain Current	I _{DSS}	$\begin{array}{c} V_{GS} = 0 \ V, \\ V_{DS} = 900 \ V \end{array} \qquad \begin{array}{c} T_{J} = 25^{\circ}C \\ \hline T_{J} = 175^{\circ}C \end{array}$				100	μΑ
						250	μΑ

TYPICAL CHARACTERISTICS

Figure 1. On–Region Characteristics



T_J, JUNCTION TEMPERATURE (°C)



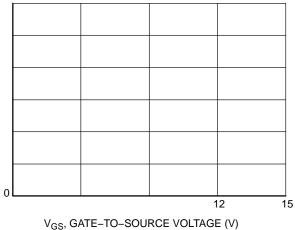
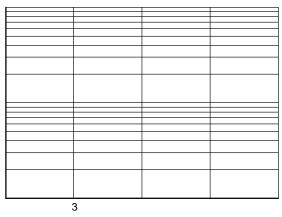


Figure 5. Transfer Characteristics

Figure 2. Normalized On–Resistance vs. Drain Current and Gate Voltage

Figure 4. On–Resistance vs. Gate–to–Source Voltage



V_{SD}, BODY DIODE FORWARD VOLTAGE (V) Figure 6. Diode Forward Voltage vs. Current

TYPICAL CHARACTERISTICS (continued)

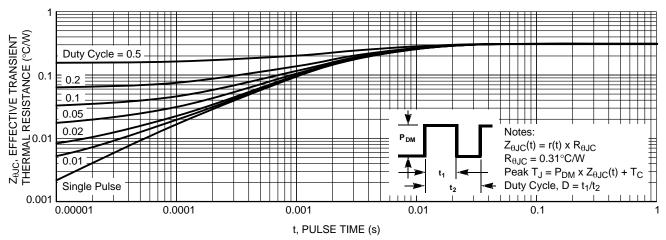


Figure 13. Junction-to-Ambient Transient Thermal Response Curve

PACKAGE MARKING AND ORDERING INFORMATION

Part Number	Top Marking	Package	Packing Method	Reel Size	Tape Size	Quantity
NVH4L020N090SC1	H4L020090SC1	TO247-4L	Tube	N/A	N/A	30 Units

			TO-247-4LD CASE 340CJ ISSUE A			DATE 16 SEP 2019
A	E	A	B A2	E1	Øp1 D2	
E/2		Q D	Ø		D1	
b2 b1 (3X)		L	L1 A1			
1 e1 ⊕ 0.254		4 b(4X)	с			

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