



Pin Description

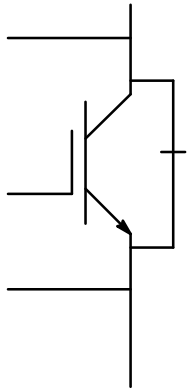


Figure 1. Pin Description

VE-Trac™ Direct Module NVH820S75L4SPB

MODULE CHARACTERISTICS (T_{vj} = 25°C, Unless Otherwise Specified)

Symbol	Parameter	Rating	Unit
T _{vj}	Operating Junction Temperature	-40 to 175	°C
T _{STG}	Storage Temperature	-40 to 125	°C
V _{ISO}	Isolation Voltage (DC, 0 Hz, 1 s)	4200	V
L _{sCE}	Stray Inductance	8	nH
RCC'+EE'	Module Lead Resistance, Terminals – Chip	0.75	mΩ
G	Module Weight		

VE-Trac™ Direct Module NVH820S75L4SPB

CHARACTERISTICS OF IGBT ($T_{vj} = 25^{\circ}\text{C}$, Unless Otherwise Specified)

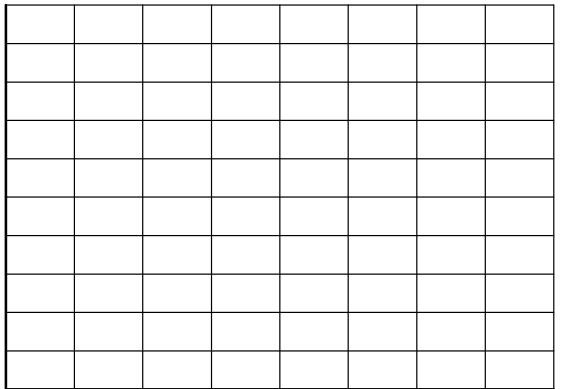
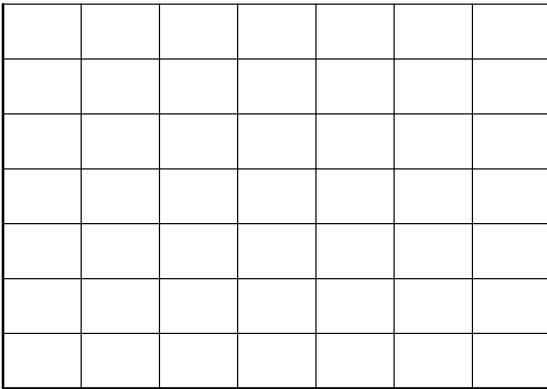
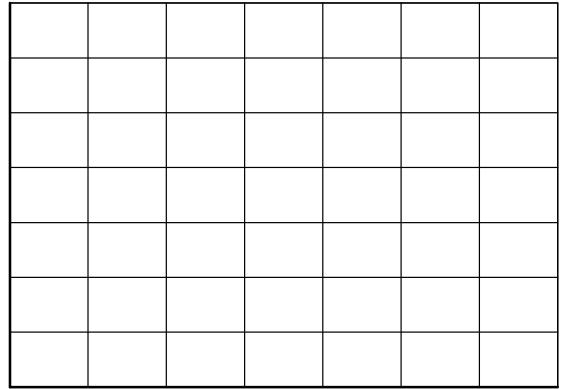
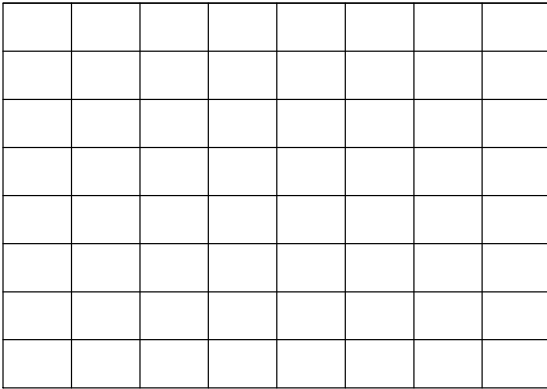
Symbol	Parameters	Conditions	Min	Typ	Max	Unit	
V_{CESAT}	Collector to Emitter Saturation Voltage (Terminal)	$V_{GE} = 15\text{ V}$, $I_C = 600\text{ A}$	$T_{vj} = 25^{\circ}\text{C}$	-	1.30	1.55	V
	Collector to Emitter Saturation Voltage (Chip)	V					

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CHARACTERISTICS OF INVERSE DIODE ($T_{vj} = 25$

VE-Trac™ Direct Module NVH820S75L4SPB

TYPICAL CHARACTERISTICS



VE

VE-Trac™ Direct Module NVH820S75L4SPB

TYPICAL CHARACTERISTICS

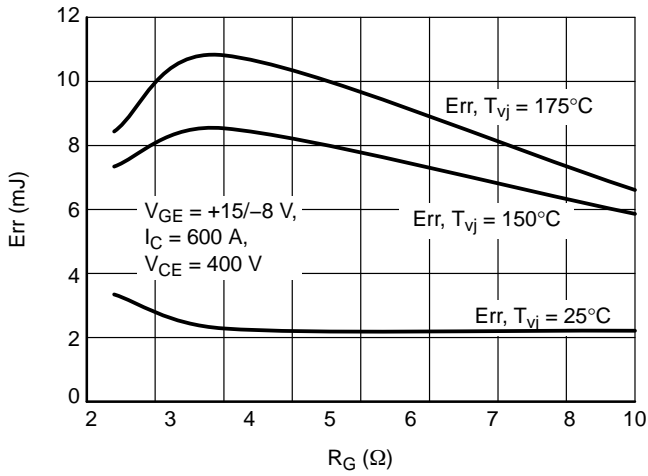


Figure 14. Diode Switching Losses vs. R_G

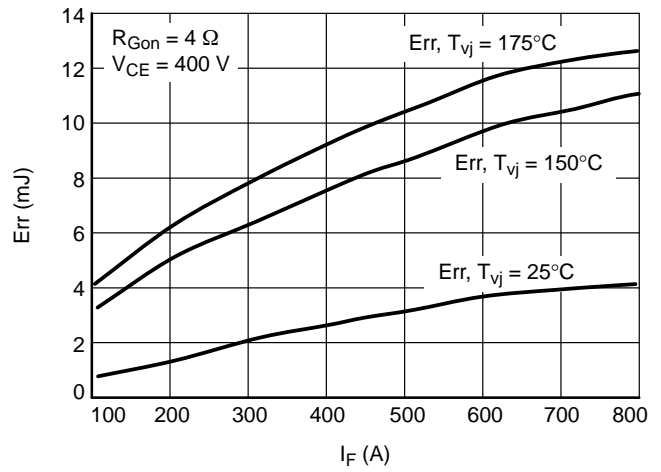
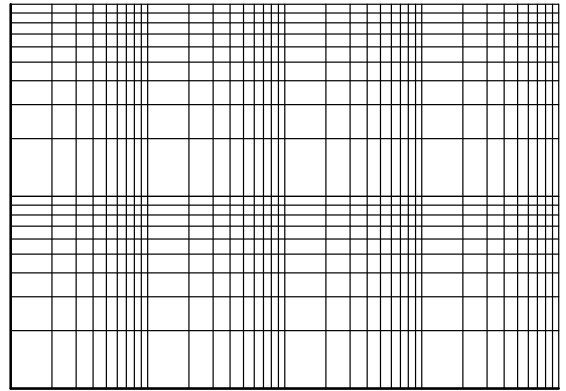
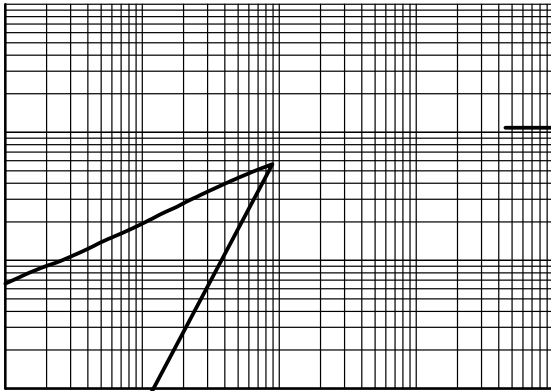


Figure 15. Diode Switching Losses vs. I_F



SSDC33, 154.50x92.0 (SPB)
CASE 183AB
ISSUE A

DATE 05 DEC 2019

XXXXX = Specific Device Code
G = Pb-Free Package
AT = Assembly & Test Site Code
YYWW= Year and Work Week Code

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "

SSDC33, 154.50x92.0 (SPB)
CASE 183AB
ISSUE A

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