

NVBG075N065SC1

THERMAL CHARACTERISTICS

Parameter	Symbol	Typ	Max	Units
Thermal Resistance Junction-to-Case (Note 2)	R_{JC}	1.08	-	C/W
Thermal Resistance Junction-to-Ambient (Notes 1, 2)	R_{JA}			

NVBG075N065SC1

ELECTRICAL CHARACTERISTICS (T_J = 25 C unless otherwise stated)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
SOURCE-DRAIN DIODE CHARACTERISTICS						
Reverse Recovery Time	t _{RR}	V _{GS} = -5/18 V, I _{SD} = 15 A, dI _S /dt = 1000 A/μs (Note 5)		16		ns
Reverse Recovery Charge	Q _{RR}			66		nC
Reverse Recovery Energy	E _{REC}			2.6		μJ
Peak Reverse Recovery Current	I _{RRM}			8.4		A
Charge time	T _a			8.6		ns
Discharge time	T _b			7.1		ns

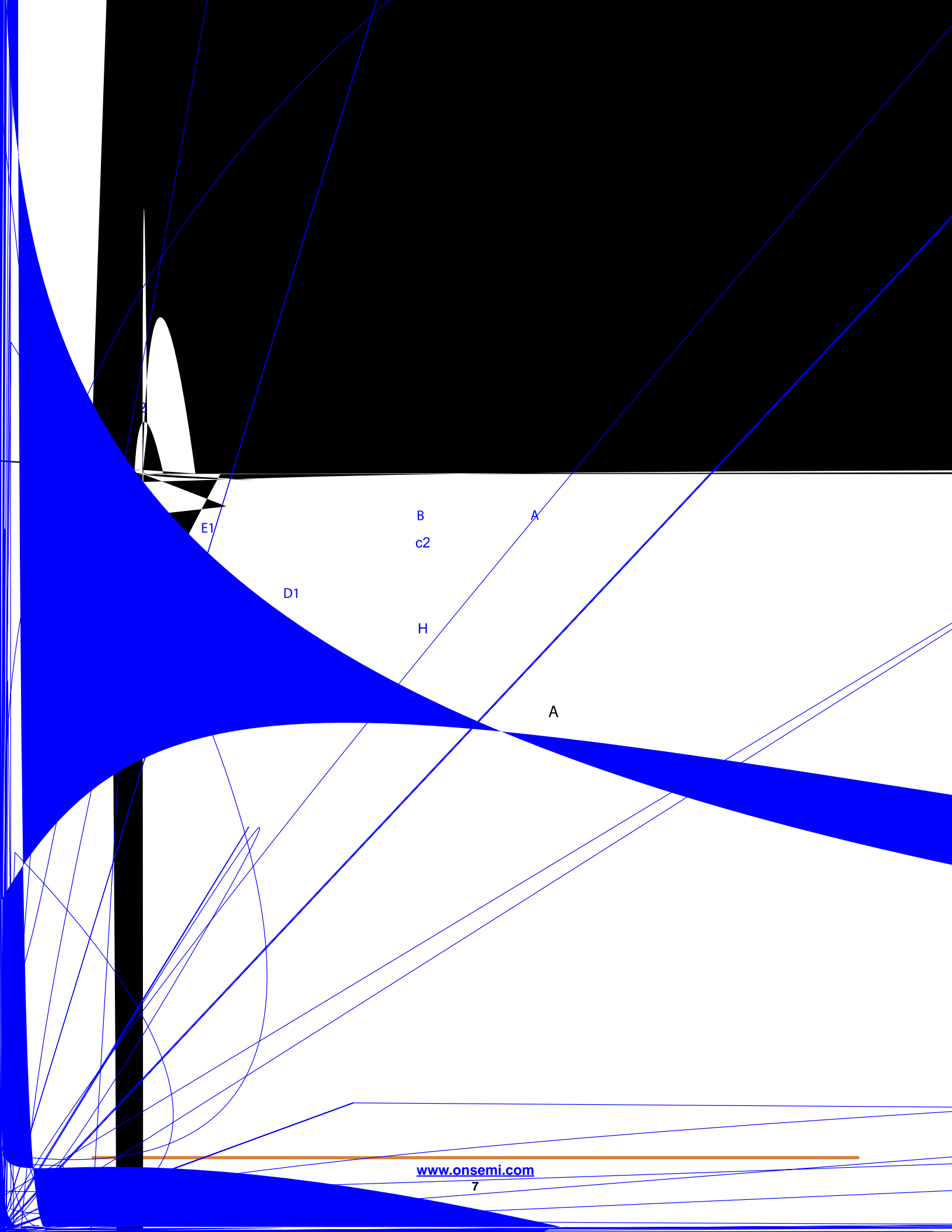
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

5. Define by design, not subject to production test.

NVBG075N065SC1

NVBG075N065SC1





E1

D1

B
c2

H

A

A

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