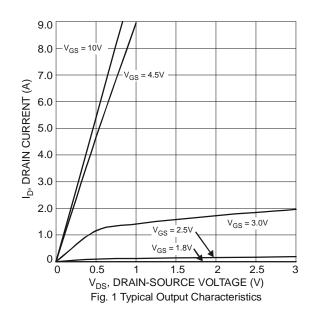
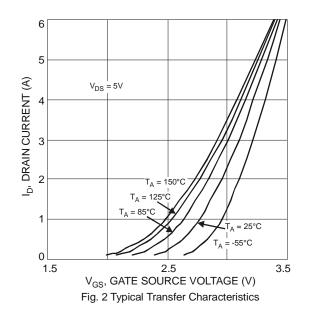


Electrical Characteristics @T_A = 25°C unless otherwise specified

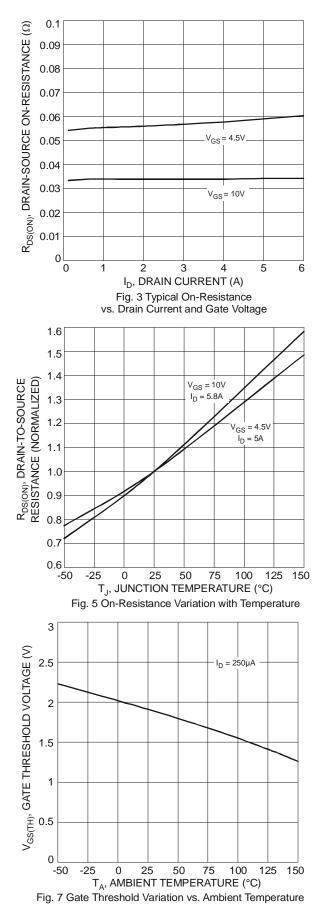
Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
OFF CHARACTERISTICS (Note 4)			_			
Drain-Source Breakdown Voltage	BV _{DSS}	30		_	V	$V_{GS} = 0V, I_D = 250 \mu A$
Zero Gate Voltage Drain Current	I _{DSS}		_	800	nA	$V_{DS} = 30V, V_{GS} = 0V$
Gate-Source Leakage	I _{GSS}			±80 ±800	nA	$V_{GS} = \pm 12V, V_{DS} = 0V$ $V_{GS} = \pm 20V, V_{DS} = 0V$
ON CHARACTERISTICS (Note 4)						
Gate Threshold Voltage	V _{GS(th)}	1.2	_	2.2	V	$V_{DS} = V_{GS}, I_D = 250 \mu A$
Static Drain-Source On-Resistance		—	28	38	mΩ	$V_{GS} = 10V, I_D = 6A$
	R _{DS} (ON)		50	64	1115.2	$V_{GS} = 4.5V, I_D = 5A$
Forward Transfer Admittance	Y _{fs}		5.2	_	S	$V_{DS} = 5V, I_D = 3.1A$
Diode Forward Voltage (Note 4)	V _{SD}		0.78	1.16	V	$V_{GS} = 0V, I_{S} = 2A$
DYNAMIC CHARACTERISTICS						
Input Capacitance	Ciss		424		pF	
Output Capacitance	Coss		115		pF	$V_{DS} = 5V, V_{GS} = 0V, f = 1.0MHz$
Reverse Transfer Capacitance	C _{rss}		81	_	pF	
Gate Resistance	R _G	_	1.3	_	Ω	$V_{GS} = 0V V_{DS} = 0V$, f = 1MHz
SWITCHING CHARACTERISTICS						
Total Gate Charge	Qq		4.3			$V_{DS} = 10V, V_{GS} = 4.5V, I_D = 10A$
	ő		8.6		nC	$V_{DS} = 10V, V_{GS} = 10V, I_D = 10A$
Gate-Source Charge	Q _{gs}		1.2			$V_{DS} = 10V, V_{GS} = 10V, I_D = 10A$
Gate-Drain Charge	Q _{gd}		2.5			$V_{DS} = 10V, V_{GS} = 10V, I_D = 10A$

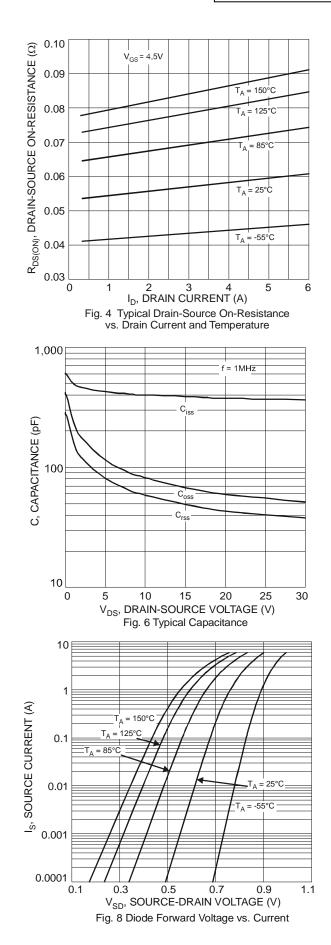
Notes: 4. Short duration pulse test used to minimize self-heating effect.











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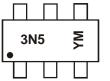


Ordering Information (Note 5)

Part Number	Case	Packaging
DMN3051LDM-7	SOT-26	3000/Tape & Reel

Notes: 5. For packaging details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

Marking Information

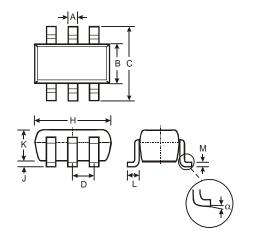


3N5 = Marking Code YM = Date Code Marking Y = Year (ex: V = 2008) M = Month (ex: 9 = September)

Date Code Key

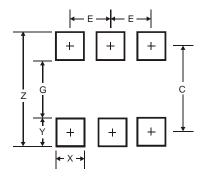
Year	2008		2009	2010		2011	2012	2	2013	2014		2015
Code	V		W	Х		Y	Z		А	В		С
Month	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Au	g Sep	Oct	Nov	Dec
Code	1	2	3	4	5	6	7	8	9	0	N	D

Package Outline Dimensions



SOT-26						
Dim	Min	Max	Тур			
Α	0.35	0.50	0.38			
В	1.50	1.70	1.60			
С	C 2.70 3.00 2.80					
D	_		0.95			
Н	2.90	3.10	3.00			
J	0.013	0.10	0.05			
Κ	1.00	1.30	1.10			
L	0.35	0.55	0.40			
М	0.10	0.20	0.15			
α	0°	8°	_			
All Dimensions in mm						

Suggested Pad Layout



Dimensions	Value (in mm)
Z	3.20
G	1.60
Х	0.55
Y	0.80
С	2.40
E	0.95



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 - 2. support or sustain life and whose failure to perform when properly used in accordance with instructions for use provided in the labeling can be reasonably expected to result in significant injury to the user.
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