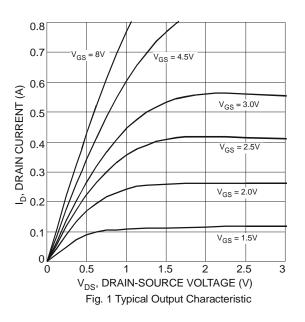


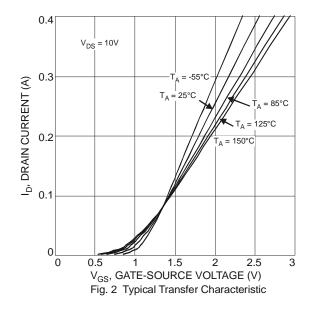
Electrical Characteristics @T_A = 25°C unless otherwise specified

Characteristic			Min	Тур	Max	Unit	Test Condition	
OFF CHARACTERISTICS (Note 4)					l	l		
Drain-Source Breakdown Voltage	BV _{DSS}	BV _{DSS} 20 — —		V	$V_{GS} = 0V, I_D = 100 \mu A$			
Zero Gate Voltage Drain Current	@ T _C = 25°C	IDSS	_		500	nA	$V_{DS} = 20V, V_{GS} = 0V$	
Gate-Body Leakage			l _{GSS} — — <u>±1</u> μA VG ±500 nA VG		$V_{GS} = \pm 10V, V_{DS} = 0V$ $V_{GS} = \pm 8V, V_{DS} = 0V$ $V_{GS} = \pm 5V, V_{DS} = 0V$			
ON CHARACTERISTICS (Note 4)		-			•	•		
Gate Threshold Voltage		V _{GS(th)}	0.5		1.0	V	$V_{DS} = V_{GS}, I_D = 250 \mu A$	
Static Drain-Source On-Resistance			 	1.8 2.4 2.9 3.7 5.4	3.0 4.0 6.0 10.0 15.0	Ω	$V_{GS} = 4.5V, I_D = 100mA$ $V_{GS} = 2.5V, I_D = 50mA$ $V_{GS} = 1.8V, I_D = 20mA$ $V_{GS} = 1.5V, I_D = 10mA$ $V_{GS} = 1.2V, I_D = 1mA$	
Forward Transconductance			_	242	_	mS	$V_{DS} = 10V, I_D = 0.1A$	
Source-Drain Diode Forward Voltage			0.5		1.0	V	$V_{GS} = 0V, I_{S} = 115mA$	
DYNAMIC CHARACTERISTICS								
Input Capacitance		Ciss	—	14.1		pF		
Output Capacitance Reverse Transfer Capacitance				2.9		pF	V _{DS} = 15V, V _{GS} = 0V f = 1.0MHz	
			_	1.6		pF		
SWITCHING CHARACTERISTICS, V _{GS} = 4	4.5V (Note 5)							
Turn-On Delay Time		t _{d(on)}		3.8	—			
Rise Time		tr		7.9	—	ns	$V_{GS} = 4.5V, V_{DD} = 10V$	
Turn-Off Delay Time		t _{d(off)}		13.4	—	115	$I_D = 200 mA, R_G = 2.0 \Omega$	
Fall Time		t _f	_	15.2	_			

Notes:

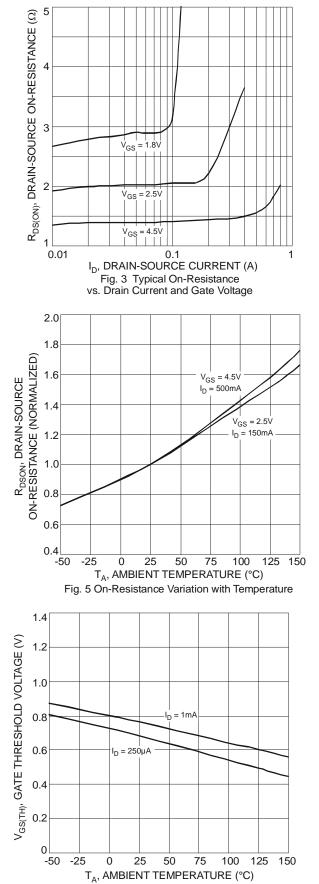
Short duration pulse test used to minimize self-heating effect.
Switching characteristics are independent of operating junction temperature.



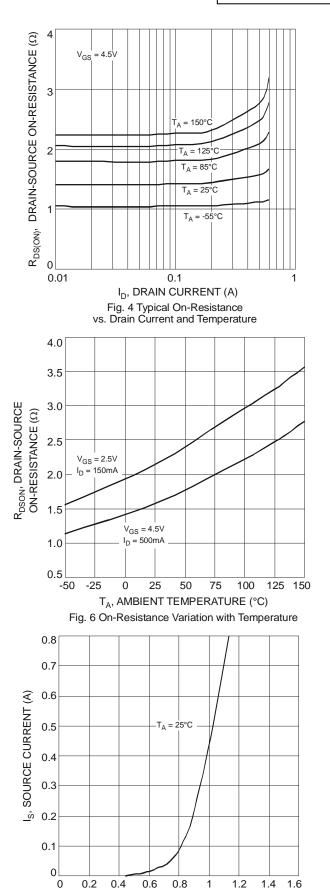




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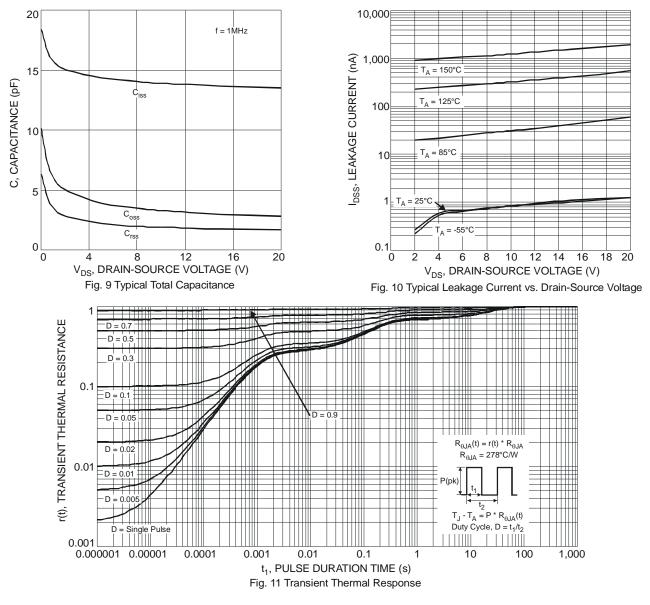
V_{SD}, SOURCE-DRAIN VOLTAGE (V) Fig. 8 Diode Forward Voltage vs. Current

NEW PRODUCT

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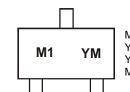


Ordering Information (Note 6)

Part Number	Case	Packaging
DMN26D0UT-7	SOT-523	3,000/Tape & Reel

Notes: 6. For packaging details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

Marking Information



M1 = Product Type Marking Code YM = Date Code Marking Y = Y ear (ex: W = 2009)

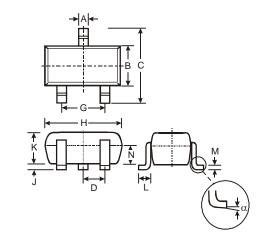
M = Month (ex: 9 = September)

Date Code Key

Date Code Key												
Year	2009	9	2010		2011	20	12	2013		2014	2	2015
Code	W		Х		Y	2	<u>Z</u>	А		В		С
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Νον	Dec
Code	1	2	3	4	5	6	7	8	9	0	N	D

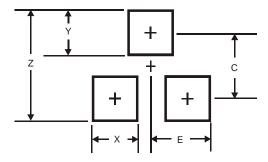


Package Outline Dimensions



SOT-523						
Dim	Min	Max	Тур			
Α	0.15	0.30	0.22			
В	0.75	0.85	0.80			
С	1.45	1.75	1.60			
D			0.50			
G	0.90	1.10	1.00			
Н	1.50	1.70	1.60			
J	0.00	0.10	0.05			
Κ	0.60	0.80	0.75			
L	0.10	0.30	0.22			
М	0.10	0.20	0.12			
Ν	0.45	0.65	0.50			
α	0°	8°				
All	Dimens	ions in	mm			

Suggested Pad Layout



Dimensions	Value (in mm)
Z	1.8
Х	0.4
Y	0.51
С	1.3
Е	0.7



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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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