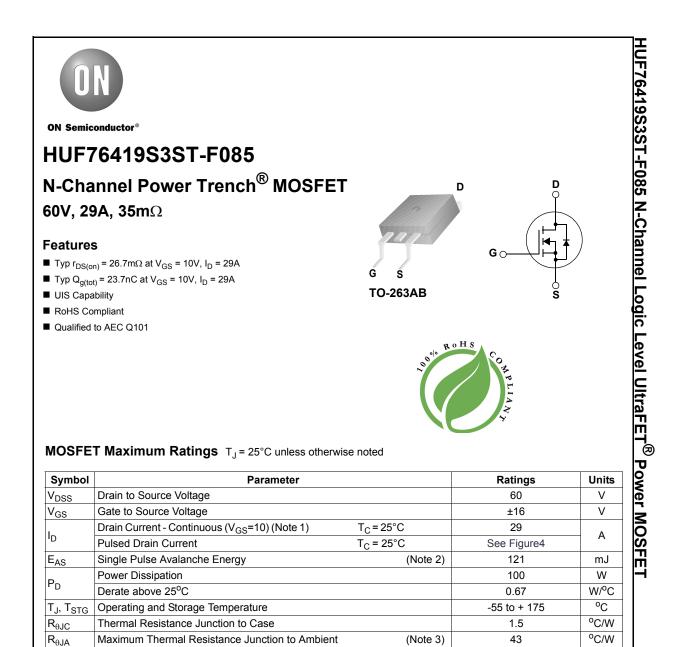
**ON Semiconductor** 

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# Onsemi

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## Package Marking and Ordering Information

Device Marking	Device	Package	Reel Size	Tape Width	Quantity	
76419S	HUF76419S3ST-F085	TO-263AB	330mm	24mm	800 units	

Notes:

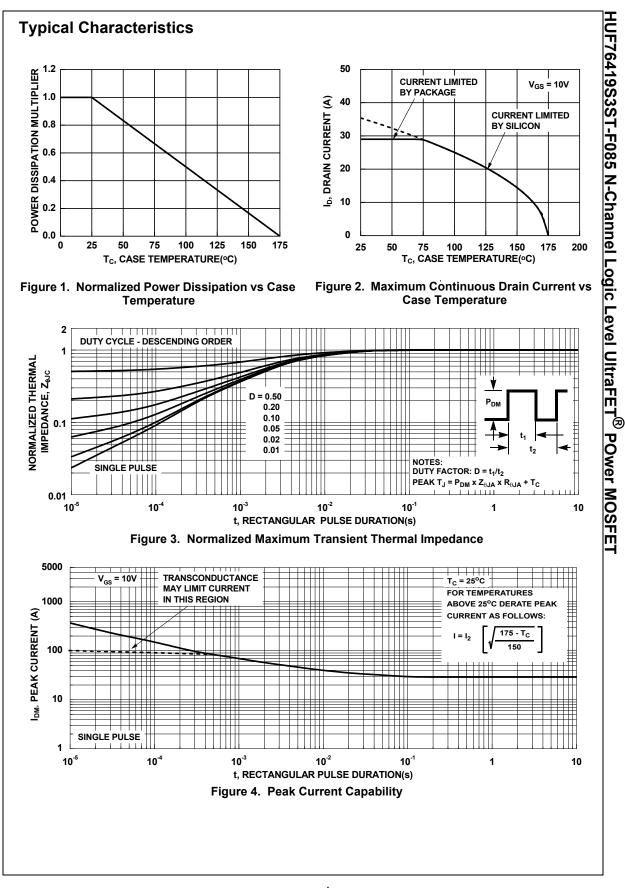
1: Current is limited by bondwire configuration. 2: Starting  $T_J = 25^{\circ}$ C, L = 0.45mH, I<sub>AS</sub> = 23.2A, V<sub>DD</sub> = 60V during inductor charging and V<sub>DD</sub> = 0V during time in avalanche 3: R<sub>0JA</sub> is the sum of the junction-to-case and case-to-ambient thermal resistance where the case thermal reference is defined as the solder mounting surface of the drain pins. R<sub>0JC</sub> is guaranteed by design while R<sub>0JA</sub> is determined by the user's board design. The maximum rating presented here is based on mounting on a 1 in<sup>2</sup> pad of 2oz copper.

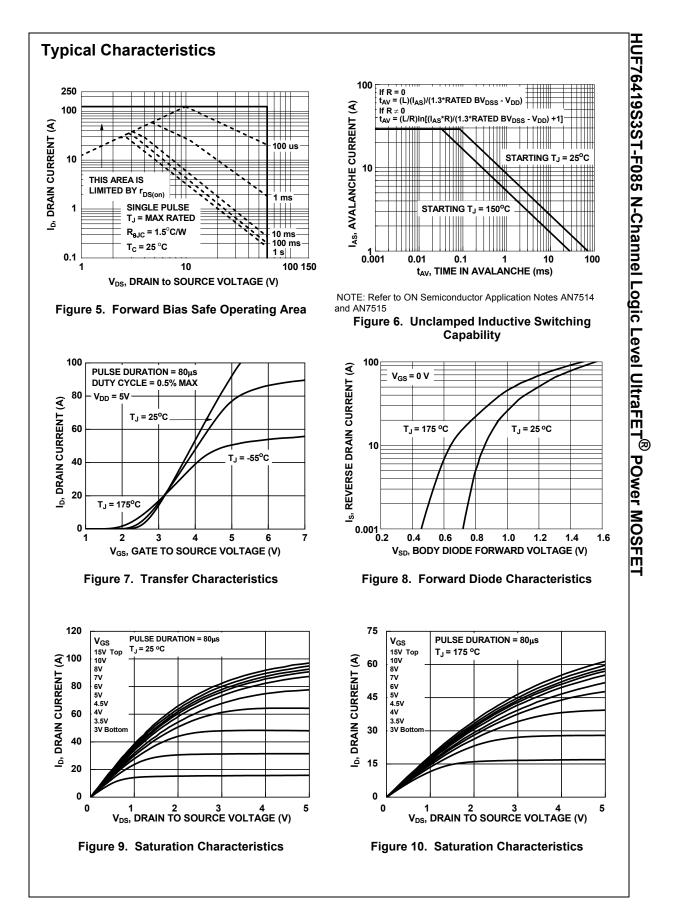
60   55   -   'Note 4)   = 25°C   150°C   -   150°C   -   1   -   (Note 4)   -		- - 1 1 1 250 ±100	V V μΑ μΑ μΑ ηΑ
55       -       (Note 4)       -       25°C       150°C       -       -       -       150°C       -       1       -       -	- - - - - -	- 1 1 1 250	V μA mA μA
Note 4) - = 25°C - 150°C - - - 150°C - -	-	1 1 250	μA mA μA μA
(Note 4) -   = 25°C -   150°C -   - -   - -   1 -		1 1 250	mA μA μA
= 25°C - 150°C - - - 1 -		1 250	μA μA
150°C - - 1 1 -	-	250	μΑ
- 1	-		•
1	- 1.7	±100	nA
-	1.7	- <b>U</b>	
-	1.7		
		3	V
(Note 4) -	26.7	35	mΩ
	60.9	80	mΩ
-	240 45 2.7 23.7	- - - 28.5	pF pF Ω nC
30V _	13	16.4	nC
-	1.6	2	nC
) - IIIA -	2.8	-	nC
-	6.9	-	nC
9A	- - - - - - - - - - - -	- 870 - 240 - 45 - 2.7 - 23.7 V - 13 1mA - 1.6 - 2.8	-     870     -       -     240     -       -     45     -       -     2.7     -       -     23.7     28.5       V     -     13     16.4       1mA     -     2.8     -

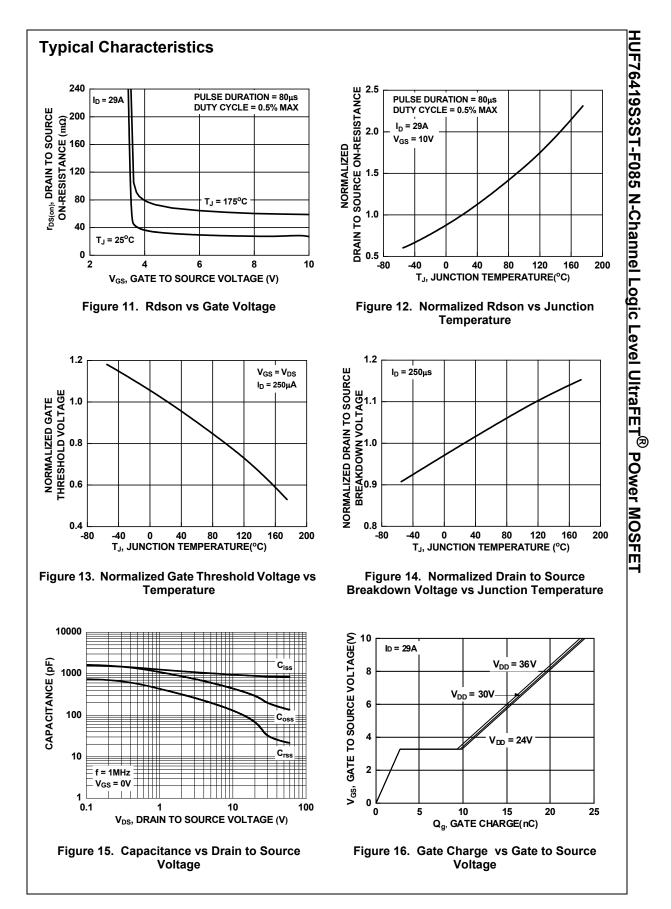
V	Source to Drain Diode Voltage	I <sub>SD</sub> = 19A, V <sub>GS</sub> = 0V	-	-	1.25	V
V <sub>SD</sub>		I <sub>SD</sub> = 10A, V <sub>GS</sub> = 0V	-	-	1	V
T <sub>rr</sub>	Reverse Recovery Time	$I_{F} = 19A, dI_{SD}/dt = 100A/\mu s,$	-	48	54	ns
Q <sub>rr</sub>	Reverse Recovery Charge	V <sub>DD</sub> =48V	-	67	78	nC
T <sub>rr</sub>	Reverse Recovery Time	$I_{F}$ = 29A, $dI_{SD}/dt$ = 100A/µs,	-	48	59	ns
Q <sub>rr</sub>	Reverse Recovery Charge	V <sub>DD</sub> =48V	-	67	82	nC

Notes:

4: The maximum value is specified by design at  $T_J$  = 175°C. Product is not tested to this condition in production.







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