onsemi

Product Bulletin

Document #:PB26512Z Issue Date:03 Dec 2024

Title of Change:	NVMFS3D6N10MCL	ent and Power dissipation for Rthjc and	Rthja value in datasheet of
Effective date:	03 Dec 2024		
Contact information:	Contact your local onsemi Sales Office of	r saziela.senin@onsemi.com	
Type of notification:	This Product Bulletin is for notification p onsemi will proceed with implementatio		s Product Bulletin.
Change Category:	other		
Change Sub-Category(s):	Datasheet/Product Doc change		
Sites Affected:			
onsemi Sites		External Foundry/Subcon Sites	
None		None	
	nce that onsemi is correcting continuous change to the product BOM and assembly		
Parameter		Before	After
Continuous Drain Current R _{BJC} , Continuous Drain Steady Current R _{BJC} T _C = 25 (Notes 1, 3) State	°C I _D 132 A	84A	94A
$\begin{array}{ c c c c } \hline Power \ Dissipation \ R_{\theta JC}, \ T_{C} = 100\\ \hline Power \ Dissipation \ R_{\theta JC} \ (Note \ 1) \\ \hline \\ $	°C P _D 139 W	56A	69A
$\begin{tabular}{ c c c c } \hline Continuous Drain Current R_{0JA} \\ Continuous Drain \\ Current R_{0JA} \\ (Notes 1, 2, 3) \end{tabular} & \begin{tabular}{ c c c c c c c } \hline T_A = 25 \\ State \end{tabular} & \begin{tabular}{ c c c c c c } \hline T_A = 25 \\ State \end{tabular} & \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	°C I _D 20 A	20A	19A
Continuous Drain Current ReJA, Continuous Drain Steady TA = 25 Current ReJA, State TA = 10	°C I _D 20 A	13A	14A
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	°C P _D 3.2 W	3.2A	ЗА
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	°C P _D 3.2 W	1.3A	1.5A
Thermal Resistance Maximum Parameter Junction-to-Case - Steady State Junction-to-Ambient - Steady State (Note	Symbol Value Unit R _{BJC} 0.9 °C/W	0.9°C/W	1.08°C/W



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Parameter	Symbol	Value	Unit		
Junction-to-Case - Steady State	R _{0JC}	0.9	°C/W		
Junction-to-Ambient - Steady State (Note 2)	R _{0JA}	39			
				39°C/W	50°C/W
t of Affected Standard Parts.					
t of Affected Standard Parts:					