

DAFTAR PUSTAKA

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Datasheet Mosfet

Symbol	Parameter	Rating	Unit	
Common Ratings ($T_c=25^\circ\text{C}$ Unless Otherwise Noted)				
V_{DSS}	Drain-Source Voltage	80	V	
V_{GSS}	Gate-Source Voltage	± 25		
T_J	Maximum Junction Temperature	175	$^\circ\text{C}$	
T_{STG}	Storage Temperature Range	-55 to 175	$^\circ\text{C}$	
I_S	Diode Continuous Forward Current	$T_c=25^\circ\text{C}$	200	A
Mounted on Large Heat Sink				
I_{DM}	Pulsed Drain Current *	$T_c=25^\circ\text{C}$	800**	A
I_D	Continuous Drain Current	$T_c=25^\circ\text{C}$	200	A
		$T_c=100^\circ\text{C}$	153	
P_D	Maximum Power Dissipation	$T_c=25^\circ\text{C}$	397	W
		$T_c=100^\circ\text{C}$	199	
$R_{\theta JC}$	Thermal Resistance-Junction to Case		0.38	$^\circ\text{C/W}$
$R_{\theta JA}$	Thermal Resistance-Junction to Ambient		40	
Avalanche Ratings				
E_{AS}	Avalanche Energy, Single Pulsed	$L=0.5\text{mH}$	1736***	mJ

Note: * Repetitive rating ; pulse width limited by junction temperature

** Drain current is limited by junction temperature

*** $V_D=64\text{V}$

Sumber : datasheetspdf.com/pdf-file/1300514/HOOYI/HY4008/1