

Thermal Resistance from Junction-to-Case	$R_{\theta JC}$	0	$^{\circ}\text{C/W}$
Thermal Resistance from Junction-to-Ambient <sup>2</sup>	$R_{\theta JA}$	2.43	$^{\circ}\text{C/W}$
<b>Parameter</b>	<b>Symbol</b>	<b>Value</b>	<b>Unit</b>

## Thermal Characteristics

Operating Junction and Storage Temperature Range		$T_J, T_{STG}$	-25 to 120	$^{\circ}\text{C}$
Total Power Dissipation	$T_C=25^{\circ}\text{C}$	$P_D$	21	W
Single Pulse Avalanche Energy <sup>5</sup>		$E_{AS}$	80	$\mu\text{mJ}$
Pulsed Drain Current <sup>1</sup>		$I_{DM}$	0.51	A
Continuous Drain Current	$T_C=100^{\circ}\text{C}$	$I_D$	0.5	A
	$T_C=25^{\circ}\text{C}$		0.3	