

Thermal Resistance from Junction-to-Case	$R_{\theta JC}$	5.51	$^{\circ}C/W$
Thermal Resistance from Junction-to-Ambient <sup>3</sup>	$R_{\theta JA}$	61	$^{\circ}C/W$
<b>Parameter</b>	<b>Symbol</b>	<b>Value</b>	<b>Unit</b>

## Thermal Characteristics

Operating Junction and Storage Temperature Range		$T_{stg}, T_{op}$	-25 to 120	$^{\circ}C$
Total Power Dissipation	$T_C=55^{\circ}C$	$P_D$	22	W
Single Pulse Avalanche Energy <sup>5</sup>		$E_{AS}$	80	mJ
Pulsed Drain Current <sup>1</sup>		$I_{DM}$	-500	A
Continuous Drain Current	$T_C=100^{\circ}C$	$I_D$	-31	A
	$T_C=55^{\circ}C$		-20	