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P_{DM}	P_{DM}	20	W
V_{DS} $T_j=25^\circ\text{C}$; $R_{\theta JA}$ (see Table 1)	V_p	0.5	V

ELECTRICAL CHARACTERISTICS

Symbol	Description	Test Conditions			Unit
		V_{GS}	V_{DS}	I_D	
I_{GSS}	$V_{DS}=12\text{V}$, $R_L=33\Omega$	-	-	20	μA
V_{GS}		-	-	1	V
V_{DS}	$V_{DS}=V_{GS}$, $T_j=125^\circ\text{C}$, $R_L=3.3\Omega$	0.2	-	-	V
I_{L1}	$I_{GS}=1.2\text{mA}$	-	-	70	μA
I_{H1}	$I_T=500\text{mA}$	-	-	60	μA
V_{DS}	$V_{DS}=540\text{V}$, $T_j=125^\circ\text{C}$	1000	-	-	V/ μs
t_{on}	$I_{GS}=20\mu\text{A}$, $I_A=200\mu\text{A}$, $I_R=20\mu\text{A}$	-	2	-	μs
t_{off}	$T_j=25^\circ\text{C}$	-	50	-	

STATIC CHARACTERISTICS

Symbol	Description		Test Conditions	Unit
V_{DS}	$I_{DS}=50\text{A}$, $t_p=380\mu\text{s}$	$T_j=25^\circ\text{C}$	1.5	V
V_{DS}		$T_j=125^\circ\text{C}$	1	V
$R_{DS(on)}$		$T_j=125^\circ\text{C}$	9.3	m Ω
I_{GSS}	$V_{DS}=V_{DSM}$, $V_R=V_{RSM}$	$T_j=25^\circ\text{C}$	5	μA
I_{GSS}		$T_j=125^\circ\text{C}$	0.7	μA

THERMAL RESISTANCES

Symbol	Description	Test Conditions	Unit
$R_{\theta JA}$	Junction to Ambient Thermal Resistance		48.89°C/W

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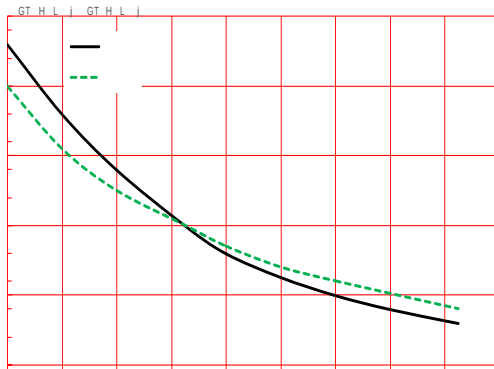
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