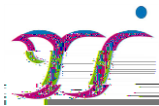




g Inverter for motor drive
g AC and DC servo drive amplifier
g 508.610 (PentAir AC Drive Servo Amplifier)>> BDC 7T/F9 10.56 Tf1 0 0 1

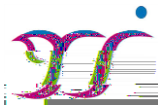
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Gate-emitter Threshold Voltage	$V_{GE(th)}$	$V_{GE}=V_{CE}, I_c =2.4mA, T_v=25$	5.0	5.8	6.5	V

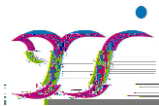
Collector-Emitter Cut-off C



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Repetitive Peak Reverse Voltage	V_{RRM}	$T_{vj}=25$	650	V
Continuous DC Forward Current	I_F		150	A
Repetitive Peak Forward Current	I_{FRM}	$t_p=1ms$	300	A
I^2t -value	I^2t	$V_R=0V, t_p=10ms, T_{vj}=125$	2050	A^2s
		$V_R=0V, t_p=10ms, T_{vj}=150$	1950	

Forward Voltage	V_F	$I_F=150A, T_{vj}=25$		1.55		V
		$I_F=150A, T_{vj}=125$		1.45		
		$I_F=150A, T_{vj}=150$		1.40		
Recovered Charge	Q_{rr}	$I_F=150A$		2.44		μC
Peak Reverse Recovery Current	I_{rr}	$V_R=300V$ $-di_F/dt=2200A/\mu s$		70		A
Reverse Recovery Energy	E_{rec}	$T_{vj}=25$		0.85		mJ
Recovered Charge	Q_{rr}	$I_F=150A$		3.24		μC
Peak Reverse R		$V_R=300V$ $-di_F/dt=2200A/\mu s$ $T_{vj}=125$				

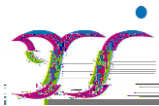


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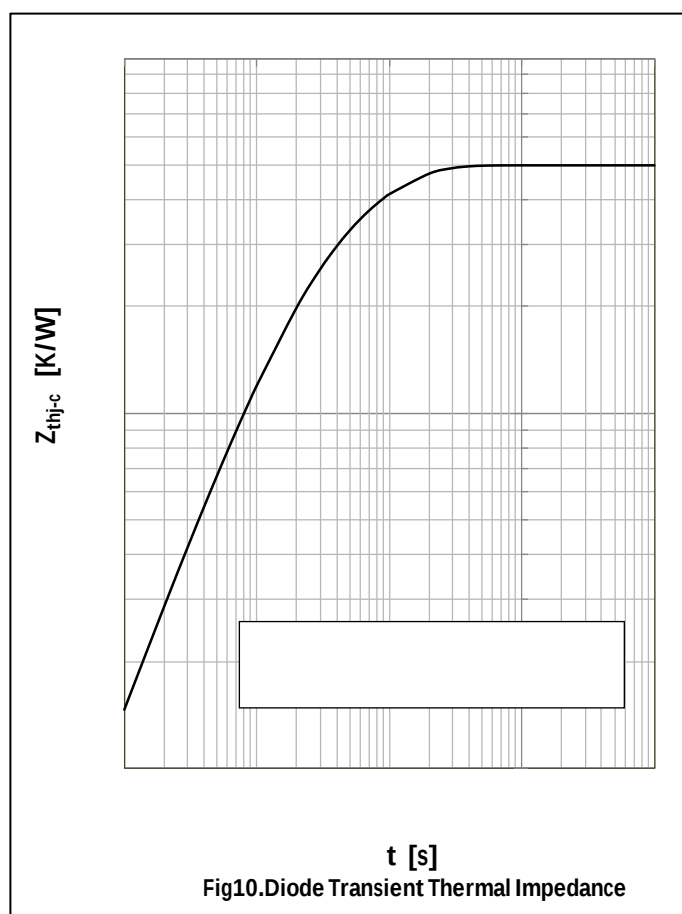
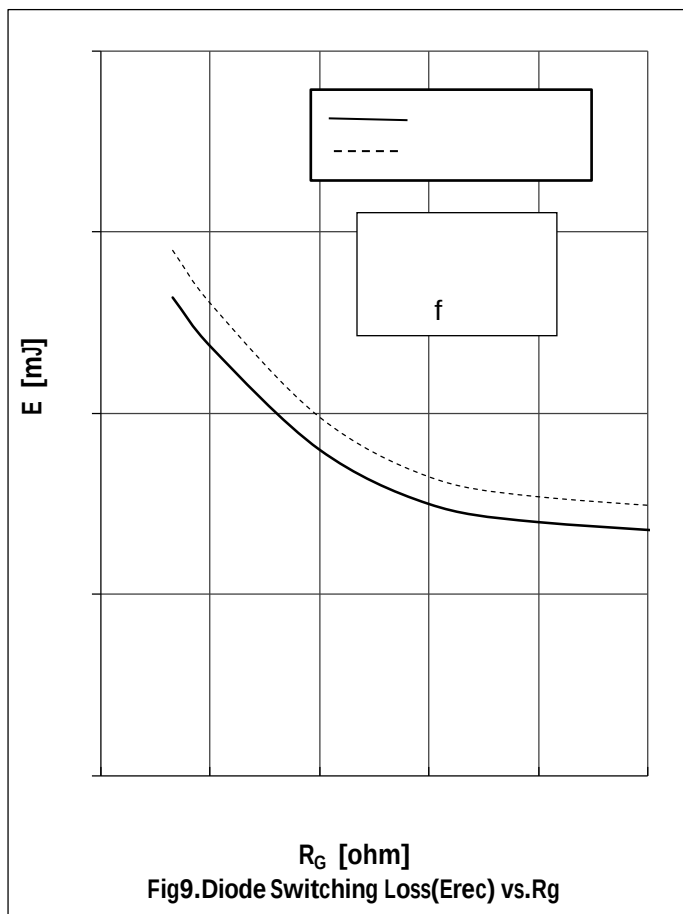
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