

●Standard Operating Condition・Design Standard For Application Circuit

Item	Conditions	Ratings		Unit
		P Class	N Class	
Input Rated Voltage		AC90~274	AC90~274	V
Output Nominal Wattage		24	24	W
Output Nominal Voltage		12	12	V
Output Nominal Current		2	2	A

●Standard Operating Condition・Standard Operating Characteristics (Ta=25°C)

Item		Conditions	Ratings		Unit	
			P Class	N Class		
Minimum Input Full Load Output Voltage		Vin=90V, IO=2A	12.0±0.6	12.0±0.6	V	Fig 2, ① Refer
Maximum Input Light Load Output Voltage		Vin=274V, IO=0.2A	12.0±0.6	12.0±0.6	V	Fig 2, ② Refer
AC Input Voltage		IO=2A	MAX 85	MAX 85	V	
Over Current Protection	Foldback Current	Vin=274V, VO=10V	MAX 3.5	MAX 3.5	A	Fig 2, ③ Refer
	Short Circuit	Vin=274V, RO=0.5Ω	Nodamage To Any Device, Automatic Recovery.		-	Fig 2, ④ Refer
Output Ripple Noise		Vin=90~274V, IO=0.2~2A	MAX 150	MAX 150	mV P-P	

Figure in ○=Terminal Sign

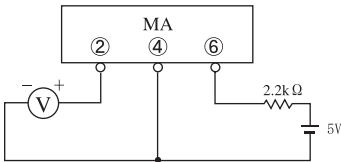


Fig1. Measurement Circuit

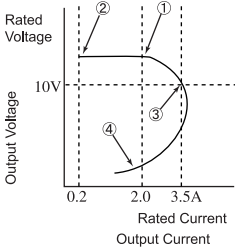
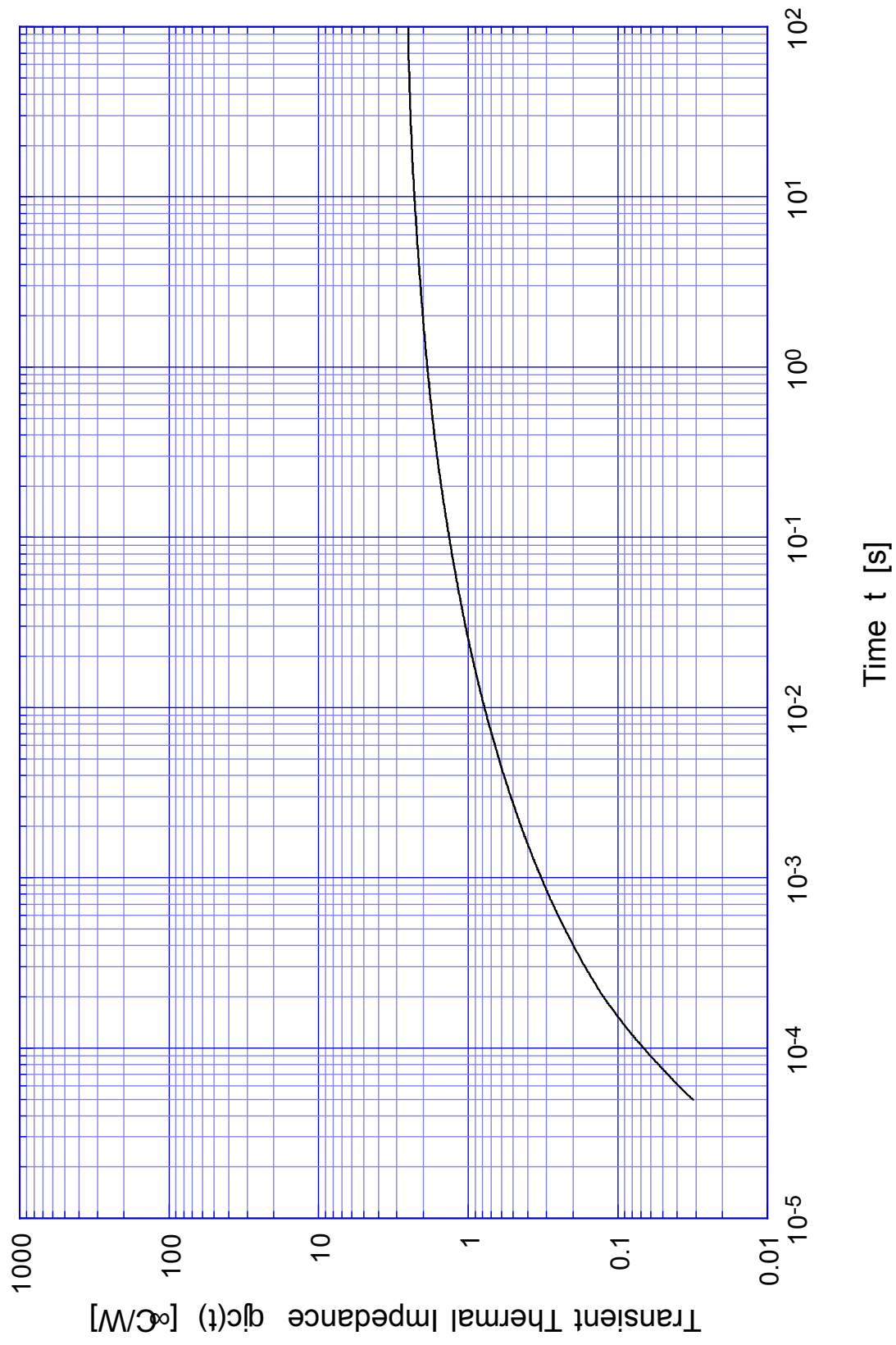


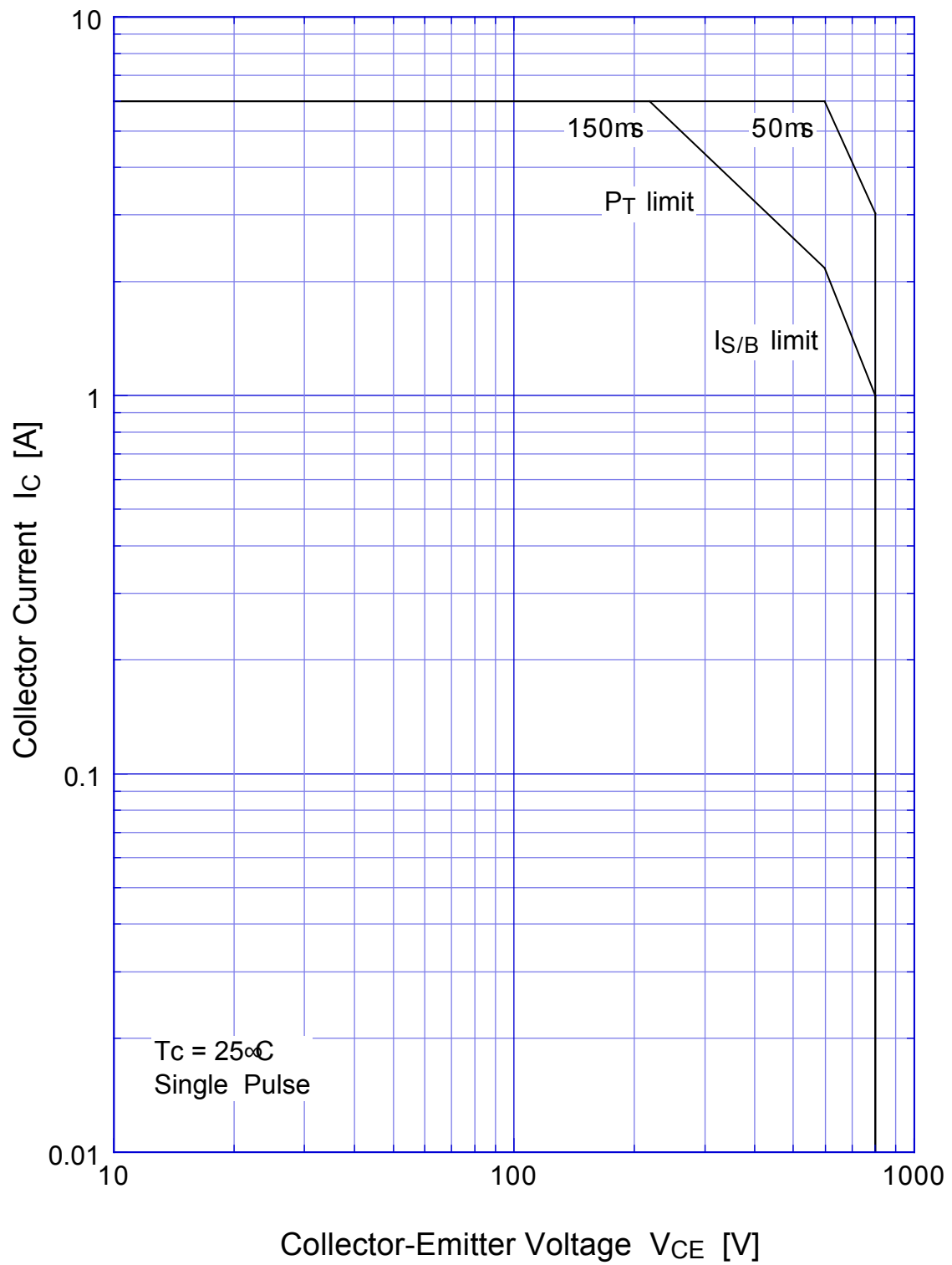
Fig2. Output Voltage/Current

MA1050 Transient Thermal Impedance



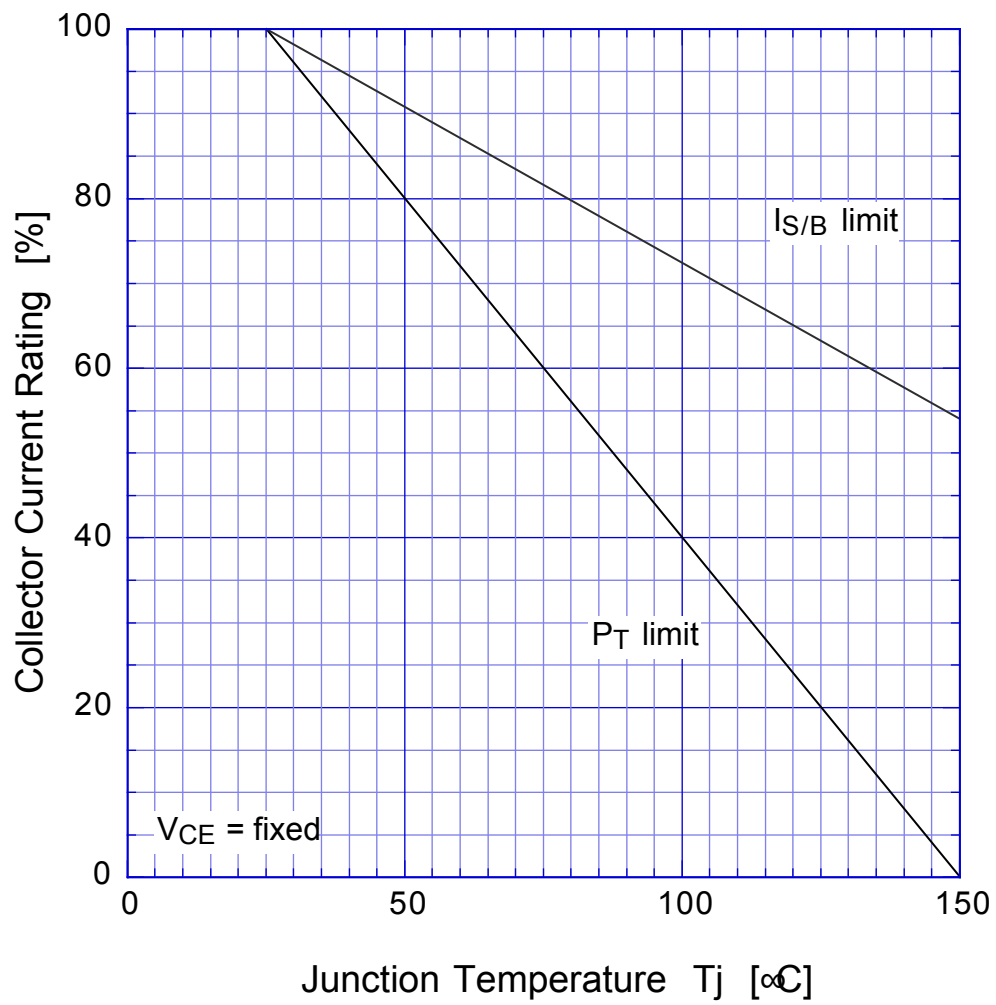
MA1050

Forward Bias SOA



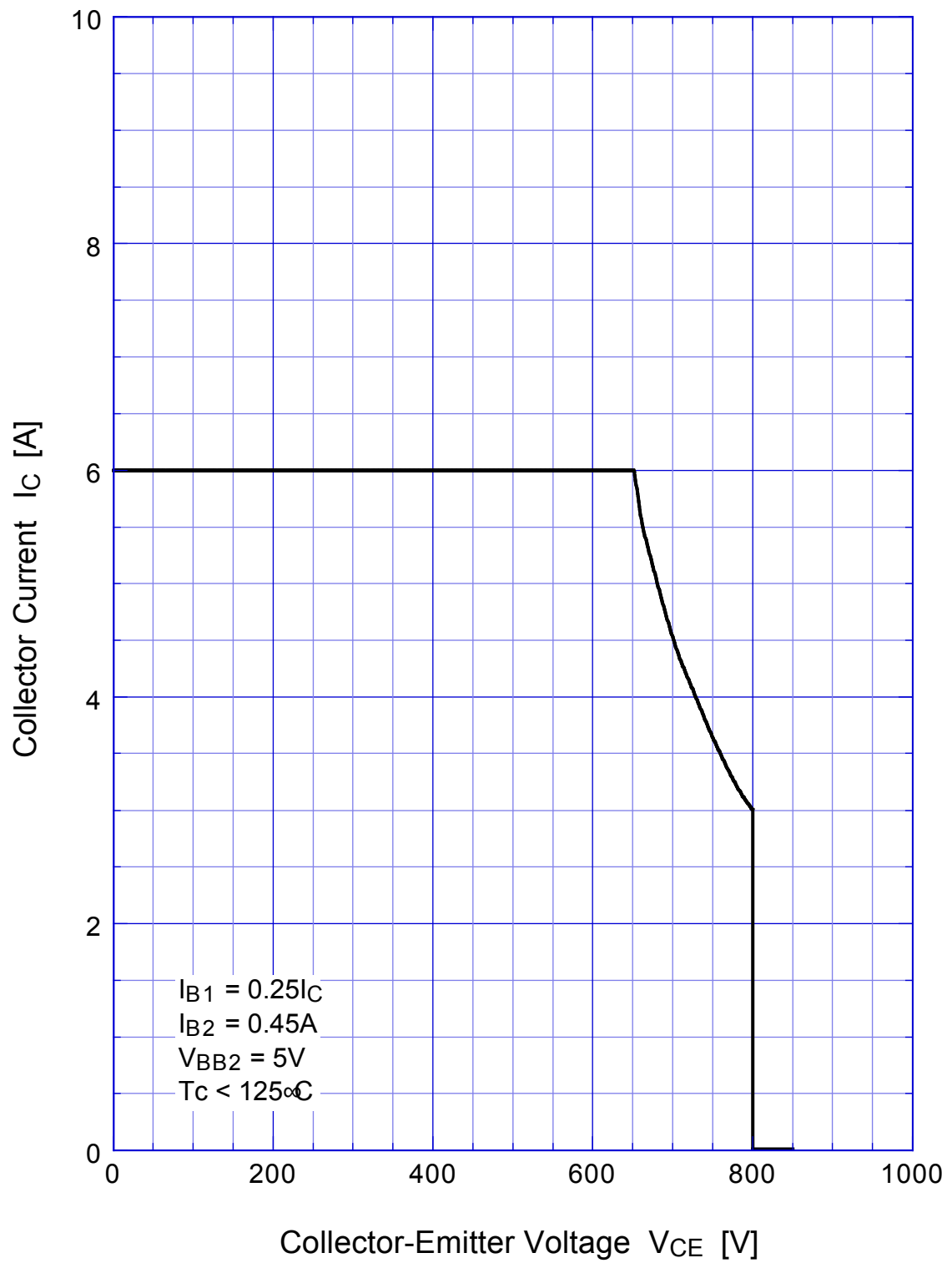
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Collector Current Derating



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Reverse Bias SOA



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$h_{FE} - I_C$

