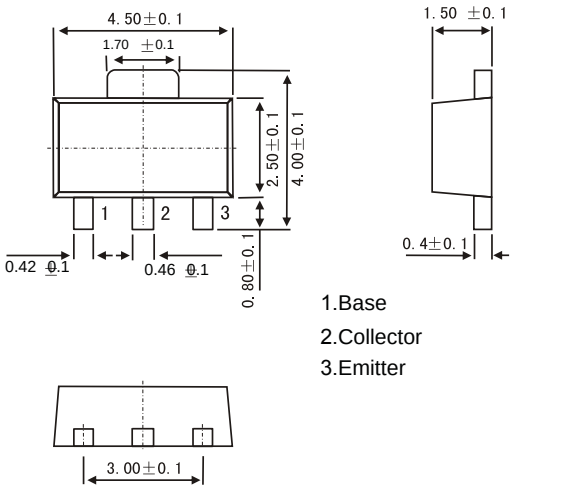
■ Features

- PNP transistor High current output up to 3A
- Low Saturation Voltage

SOT-89 Unit:mm



1.Base
2.Collector
3.Emitter

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-6	V
Collector Current to Continuous	I_C	-3	A
Collector Dissipation	P_C	1.0	W
Junction Temperature	T_J	125	℃
Storage Temperature	T_{stg}	-55 to 150	℃

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V_{CBO}	I_C=-100uA ,I_E=0	-40			V
Collector-emitter breakdown voltage	V_{CEO}	I_C= -10 mA , I_B=0	-30			V
Emitter-base breakdown voltage	V_{EBO}	I_E= -100 uA ,I_C=0	-6			V
Collector cut-off current	I_{CBO}	V_{CB}=-40 V , I_E=0			-1	μA
Emitter cut-off current	I_{EBO}	V_{EB}=-6V , I_C=0			-1	μA
DC current gain	h_{FE}	V_{CE}= -2V, I_C= -1A	60		400	
		V_{CE}=-2V, I_C= -100mA	32			
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-2A, I_B=- 0.2A			-0.5	V
Base-emitter saturation voltage	$V_{BE(sat)}$	I_C=-2A, I_B= -0.2A			-1.5	V
Transition frequency	f_T	V_{CE}=-5 V, I_C=-0.1mA,f = 10MHz	50			MHz

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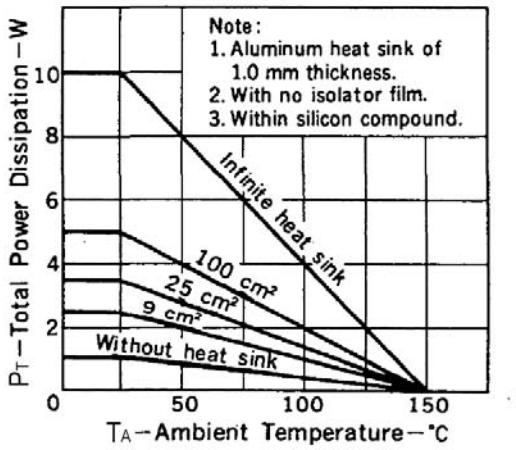
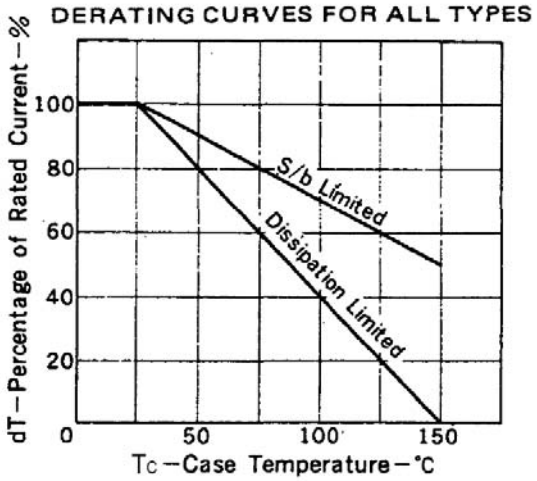
■ Typical Characteristics

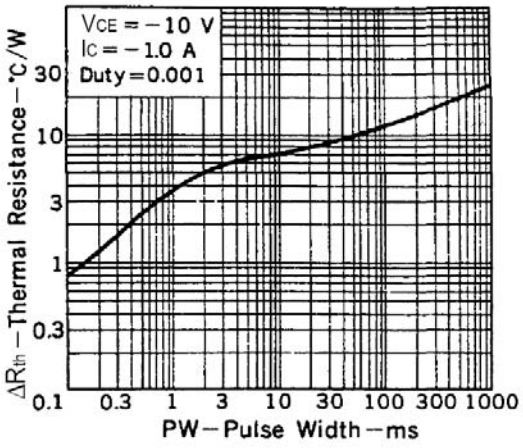
TOTAL POWER DISSIPATION vs. AMBINET TEMPERATURE



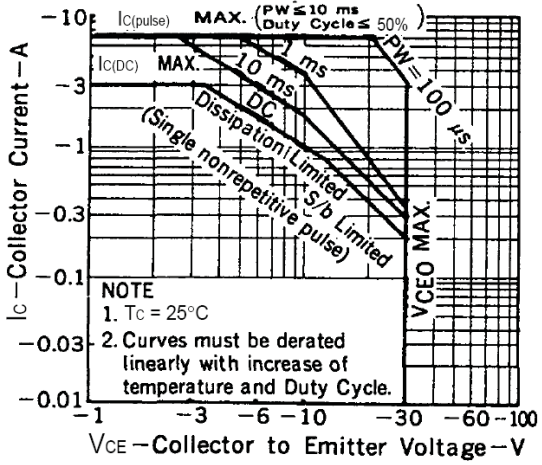
DERATING CURVES FOR ALL TYPES



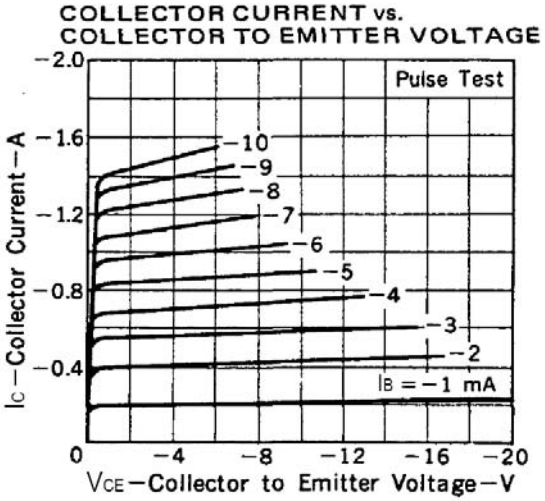
THERMAL RESISTANCE vs. PULSE WIDTH



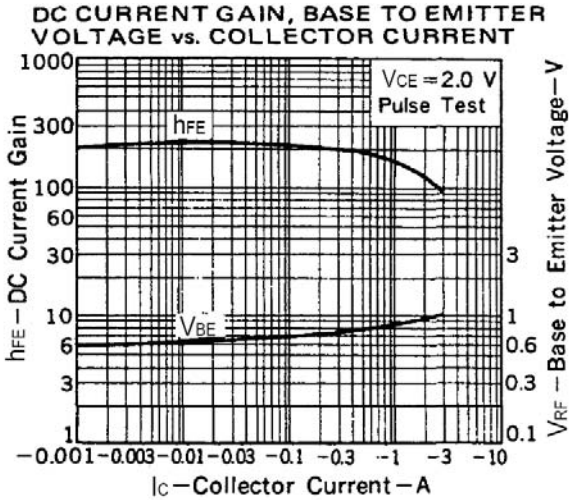
SAFE OPERATING AREAS



COLLECTOR CURRENT vs. COLLECTOR TO EMITTER VOLTAGE



DC CURRENT GAIN, BASE TO EMITTER VOLTAGE vs. COLLECTOR CURRENT



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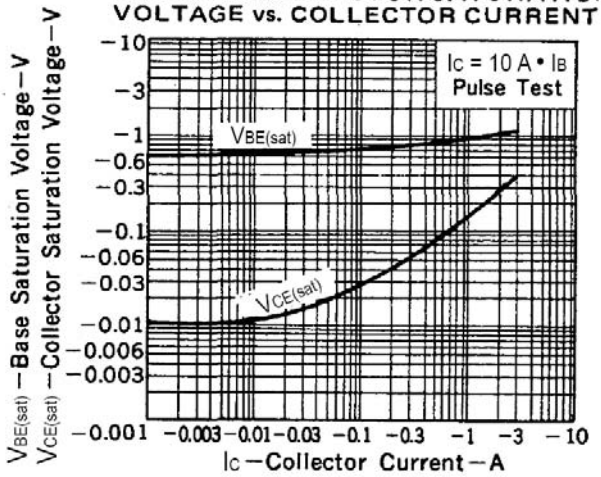
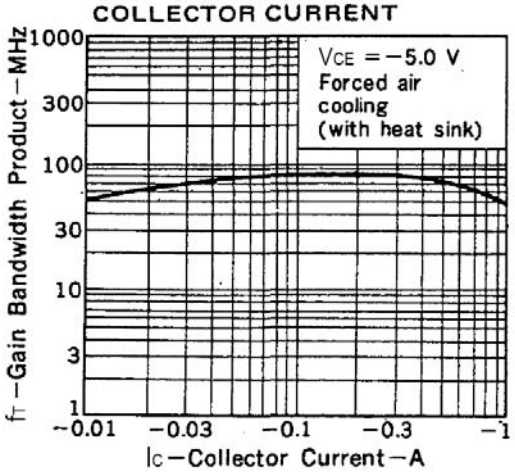
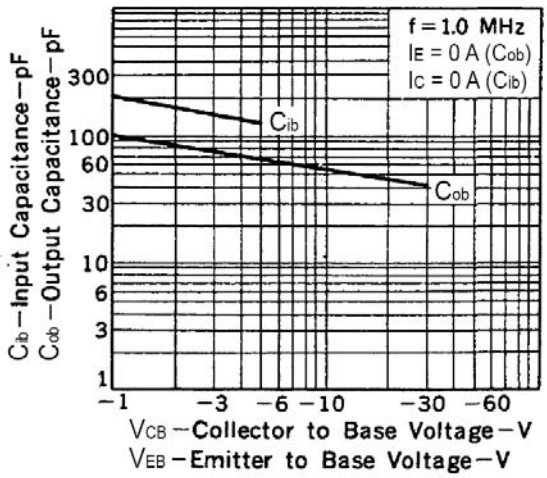
BASE AND COLLECTOR SATURATION VOLTAGE vs. COLLECTOR CURRENT



GAIN BANDWIDTH PRODUCT vs. COLLECTOR CURRENT



INPUT AND OUTPUT CAPACITANCE vs. REVERSE VOLTAGE



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