

Transistors

●Packaging specifications and h_{FE}

Type	h_{FE}	Package name	Taping		
		Code	T146	TL	T2L
		Basic ordering unit (pieces)	3000	3000	8000
2SA2119K			○	—	—
2SA2018			—	○	—
2SA2030			—	—	○

●Electrical characteristic curves

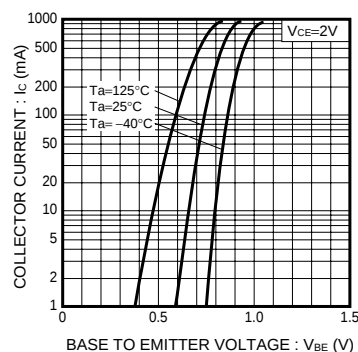


Fig.1 Grounded Emitter Propagation Characteristics

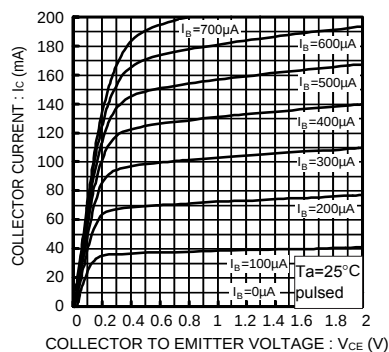


Fig.2 Typical Output Characteristics

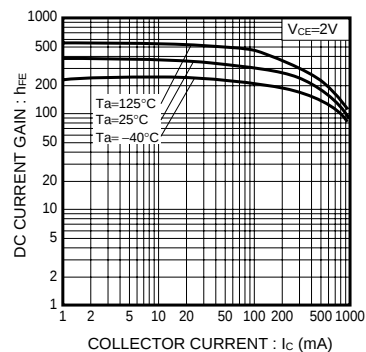


Fig.3 DC Current Gain vs. Collector Current

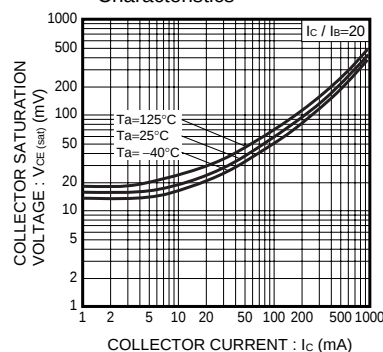


Fig.4 Collector-Emitter Saturation Voltage vs. Collector Current (I)

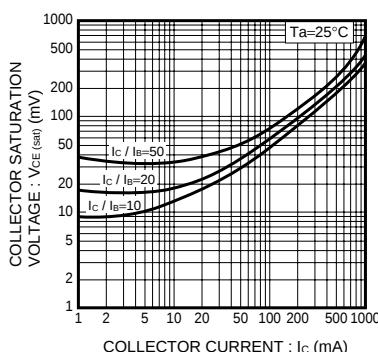


Fig.5 Collector-Emitter Saturation Voltage vs. Collector Current (II)

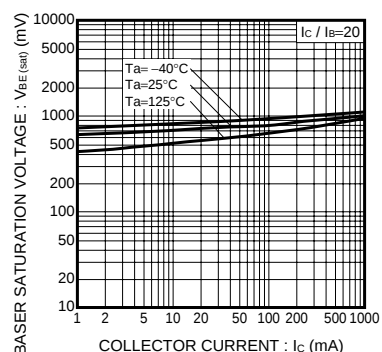


Fig.6 Base-Emitter Saturation Voltage vs. Collector Current

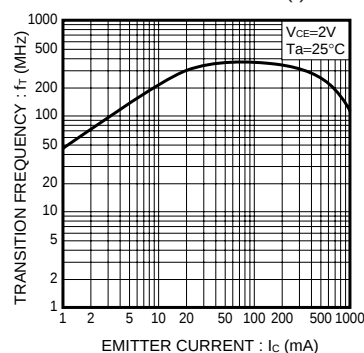
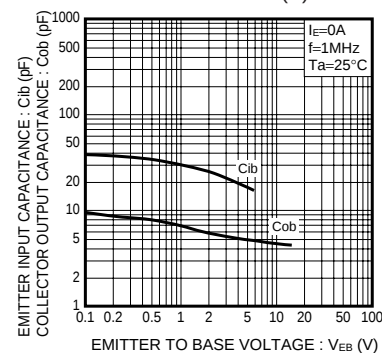


Fig.7 Gain Bandwidth Product vs. Emitter Current

Fig.8 Collector Output Capacitance vs. Collector-Base Voltage
Emitter Input Capacitance vs. Emitter-Base Voltage

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